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Washington University School of Medicine bulletin, 1943

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BULLETIN
OF
WASHINGTON UNIVERSITY
SAINT LOUIS



SCHOOL OF MEDICINE

DECEMBER, 1943

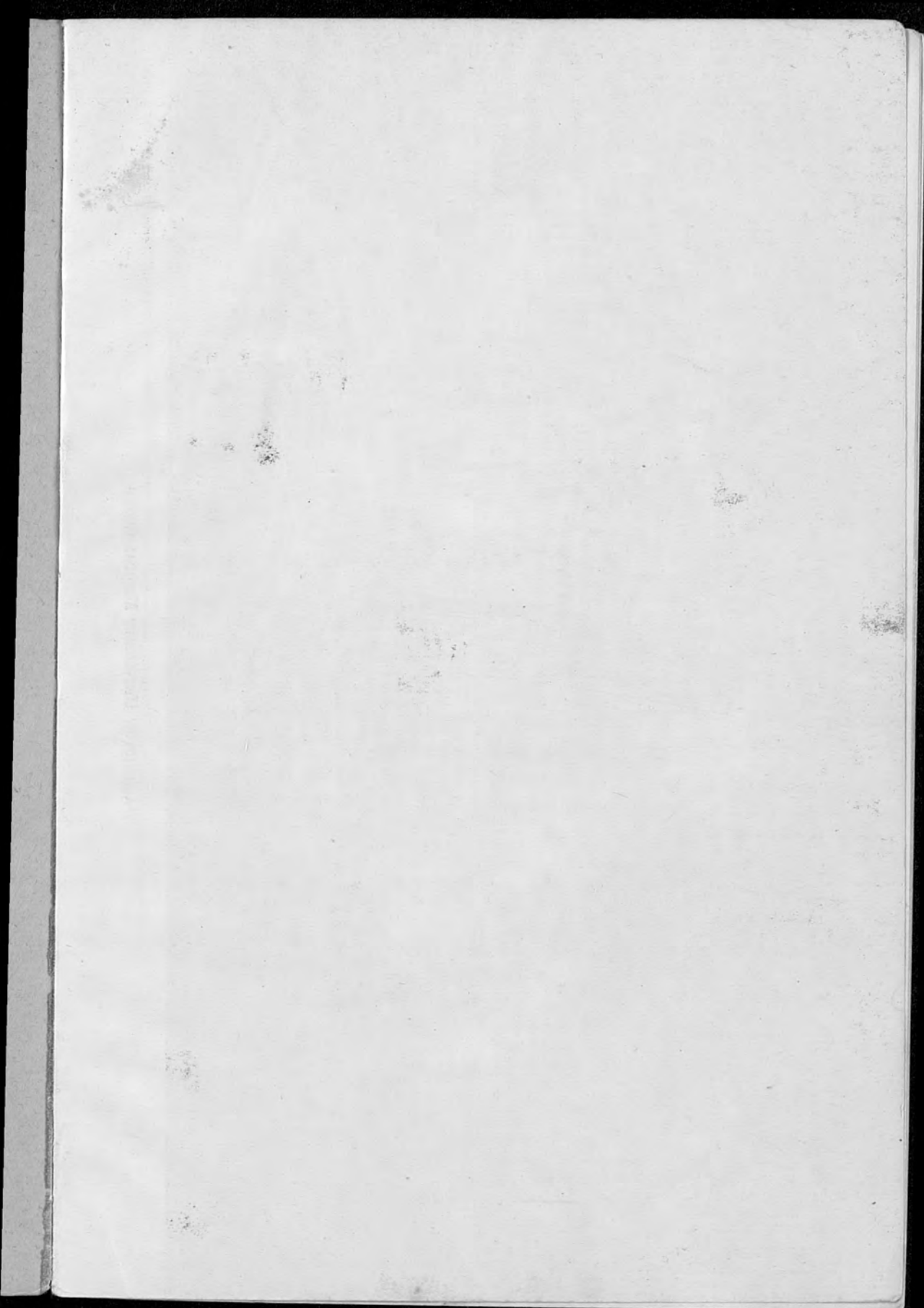
WASHINGTON UNIVERSITY

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William G. Bowling, A.M., Dean
- The School of Engineering
Alexander S. Langsdorf, M.M.E., Dean
- The School of Architecture
Alexander S. Langsdorf, M.M.E., Dean
- The School of Business and Public Administration
William H. Stead, Ph.D., Dean
- The Henry Shaw School of Botany
George T. Moore, Ph.D., Director
- The School of Graduate Studies
Richard F. Jones, Ph.D., Dean
- The School of Law
Warner Fuller, B.S., LL.B., Acting Dean
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Philip A. Shaffer, Ph.D., Dean
- The School of Dentistry
Benno E. Lischer, D.M.D., Dean
- The School of Nursing
Louise Knapp, R.N., B.S., A.M., Director
- The School of Fine Arts
Kenneth E. Hudson, B.F.A., Dean
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Willis H. Reals, Ph.D., Acting Dean
- The Summer School
Frank L. Wright, A.M., Ed.D., Director

Mary Institute, a preparatory school for girls, located at Ladue and Warson Roads, is also conducted under the charter of the University.

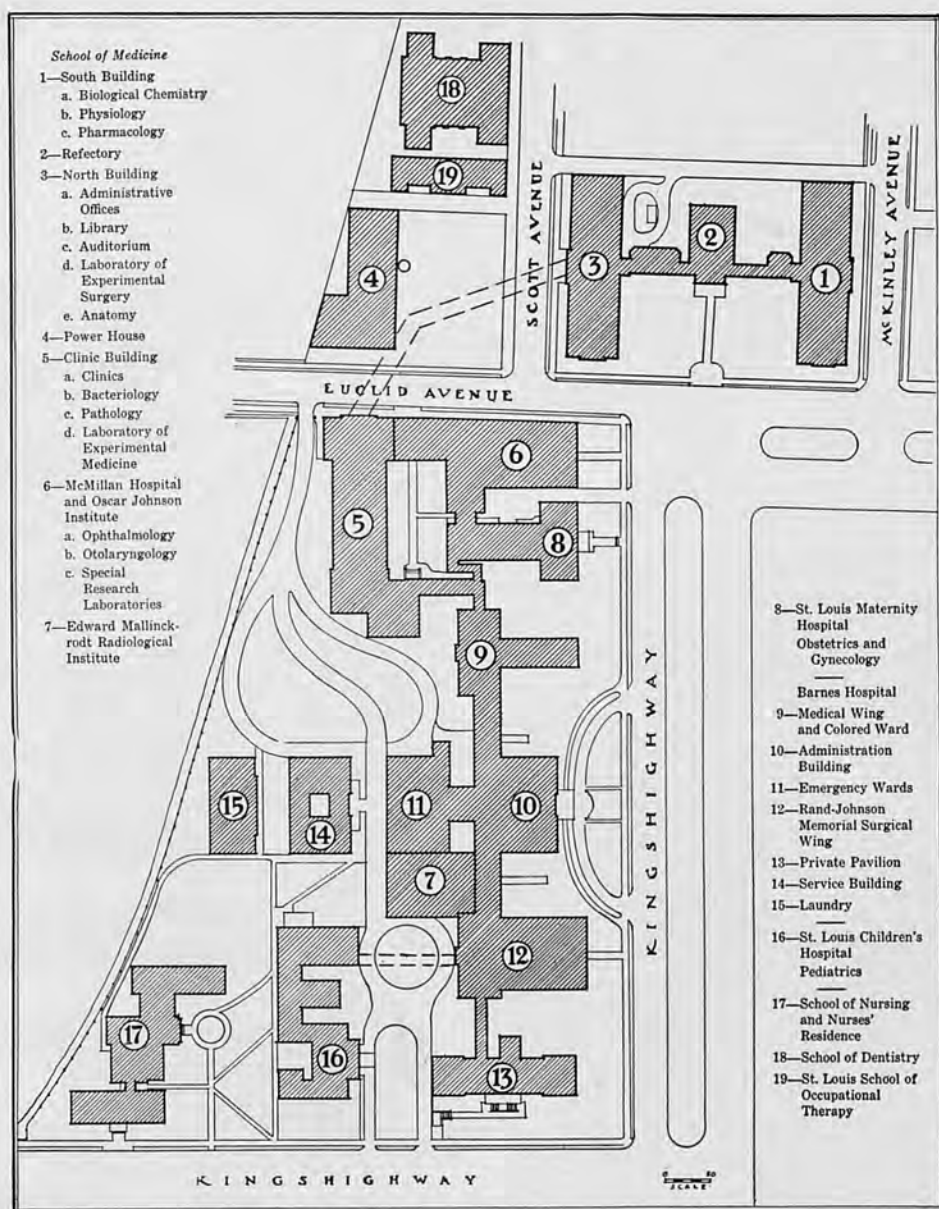
Note: Those desiring information concerning any of the divisions listed above should write to the Dean or Director concerned.



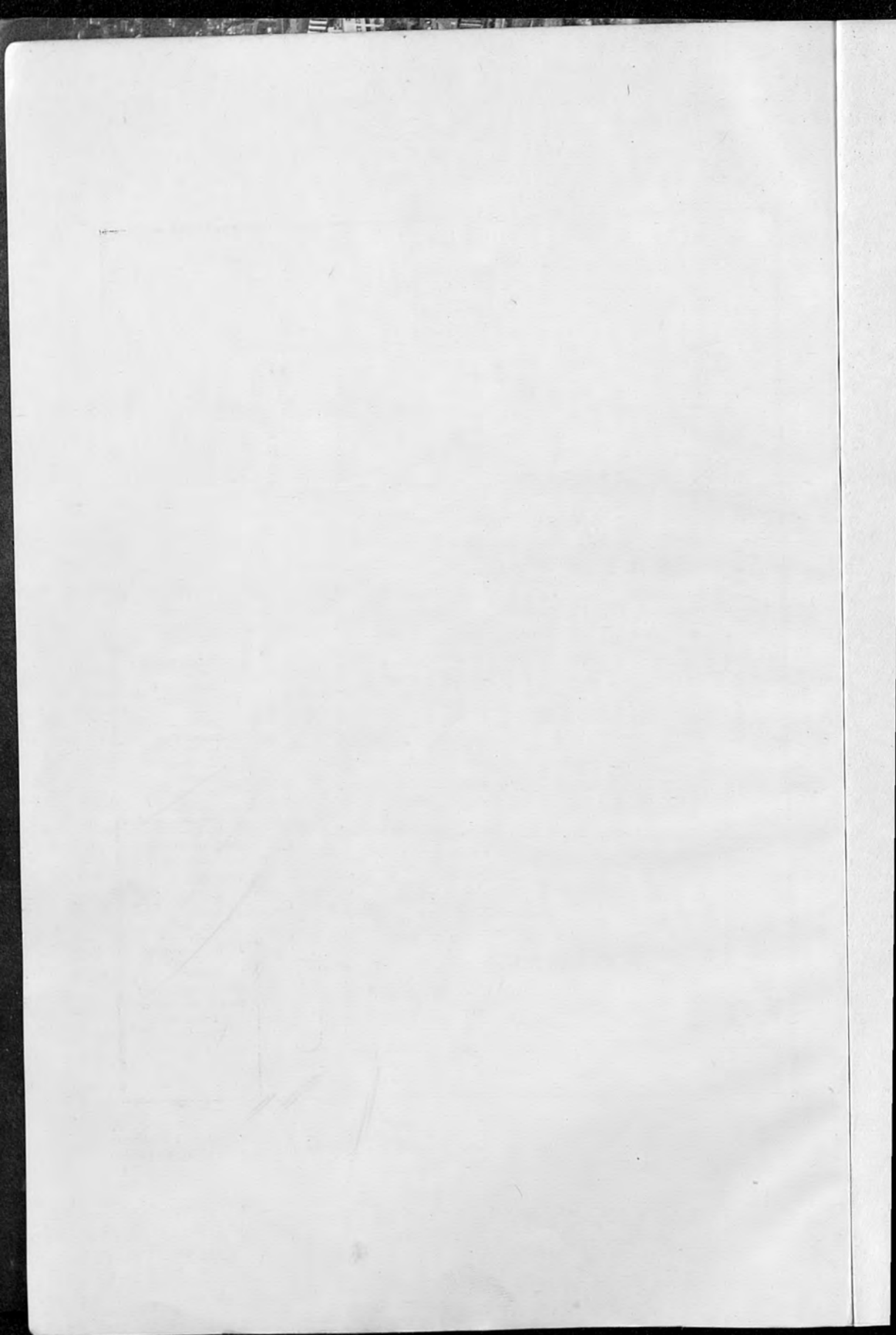


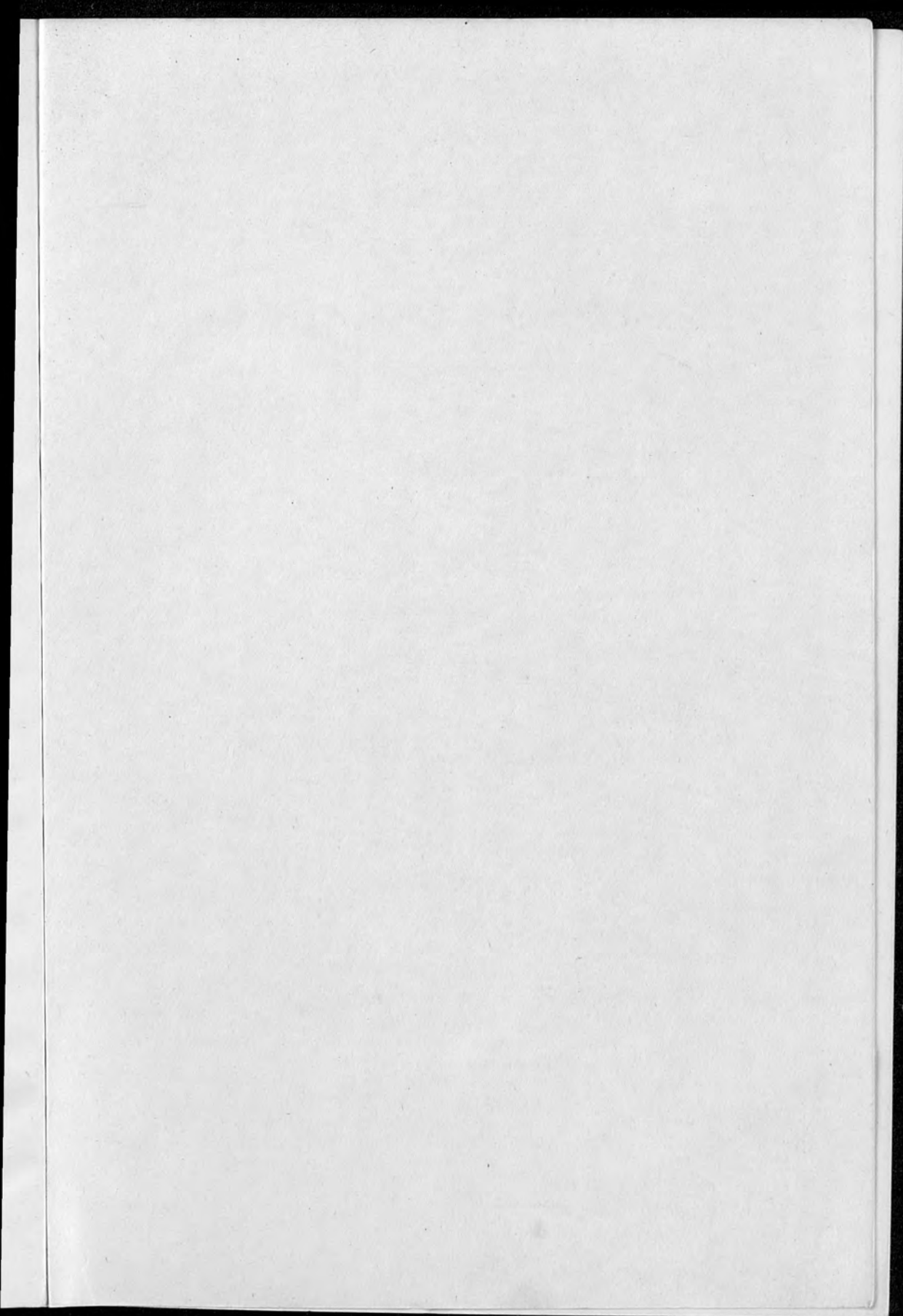
WASHINGTON UNIVERSITY MEDICAL GROUP

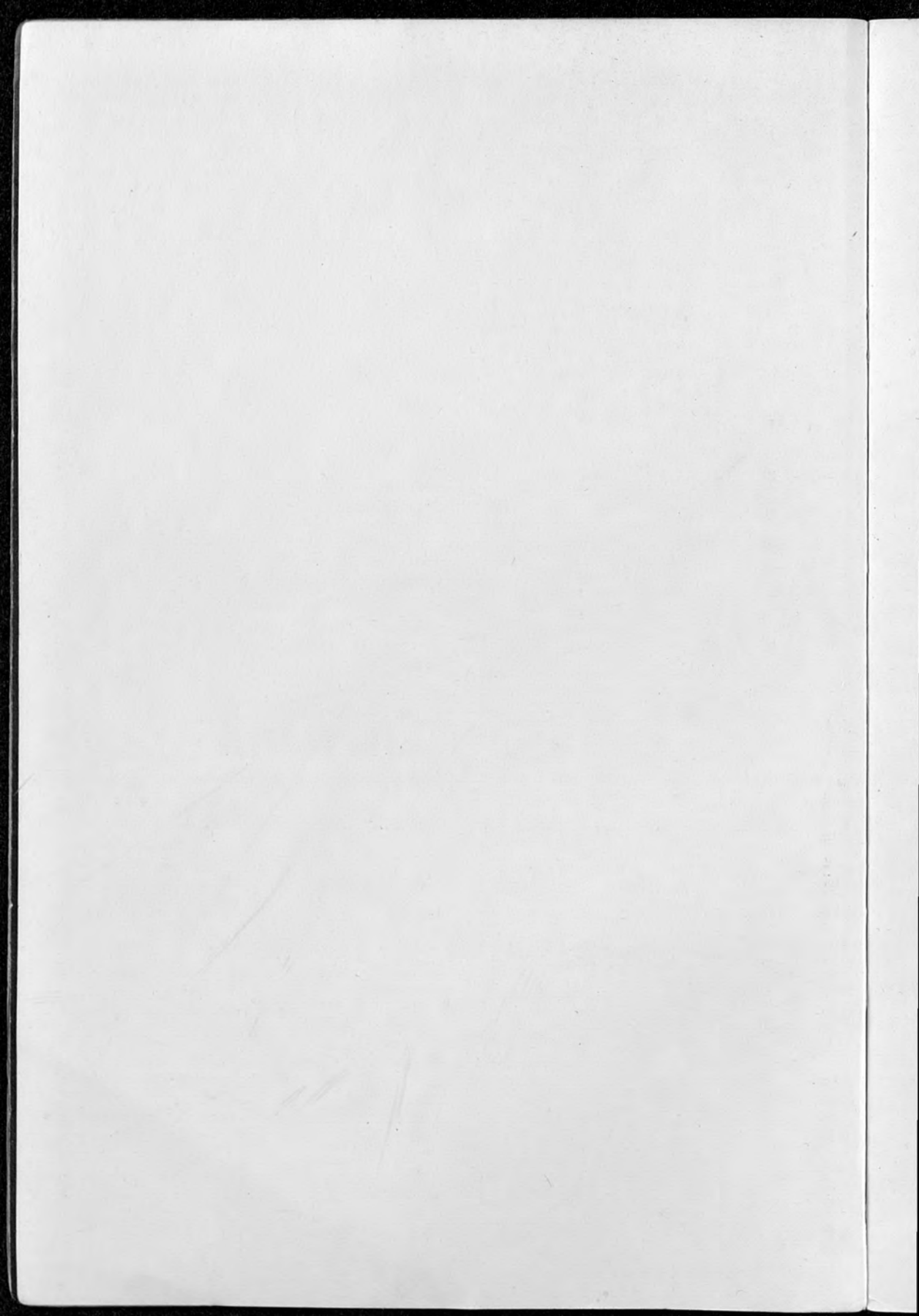
"Papin Aerial Survey," St. Louis



Block Plan of Washington University Medical Group and School of Dentistry







BULLETIN
of
WASHINGTON UNIVERSITY
SAINT LOUIS



SCHOOL OF MEDICINE

DECEMBER, 1943

PUBLICATIONS OF WASHINGTON UNIVERSITY
SERIES II VOLUME XLII NUMBER I

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CALENDAR

1944

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	..	..	1	2	3	4	5	..	..	1	2	3	4	..	..	..	..	..	..	..	1	..
2	3	4	5	6	7	8	6	7	8	9	10	11	12	5	6	7	8	9	10	11	2	3	4	5	6	7	8
9	10	11	12	13	14	15	13	14	15	16	17	18	19	12	13	14	15	16	17	18	9	10	11	12	13	14	15
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23	24	25	26	27	28	29	27	28	29	26	27	28	29	30	31	..	23	24	25	26	27	28	29
30	31	30

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	1	2	3	1	2	3	4	5	1	2	3	4	5
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28	29	30	31	25	26	27	28	29	30	..	23	24	25	26	27	28	29	27	28	29	30	31
..	30	31

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	..	1	2	3	4	5	6	7	1	2	3	4	1	2	..
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
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17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	26	27	28	29	30	24	25	26	27	28	29	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..

1945

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	1	2	3	1	2	3	4	5	1	2	3	4	5	6	7
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21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31	25	26	27	28	25	26	27	28	29	30	31	29	30
..

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
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27	28	29	30	31	24	25	26	27	28	29	30	29	30	31	26	27	28	29	30	31	..
..

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	..	1	2	3	4	5	6	..	..	..	1	2	3	4	5	..	..	..	..	..	1	..
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..

CALENDAR

1944-45

The accelerated program, adopted as a war-time emergency, compresses the medical course of four academic years within a period of thirty-six months. A calendar year, thus, covers one and one-third "academic years" and includes a vacation of three to four weeks following the "academic year." Except for the Christmas recess and the vacation periods, there are no intervals between the terms or quarters of scheduled exercises.

A new class is admitted at the beginning of each "academic year" at intervals of about nine months.

The class schedules for the first, second, and third classes are divided into three terms (trimesters) each of eleven weeks, together with a reading and examination period of three weeks after the end of the third term. The schedule for the fourth class consists of four terms (quarters) of eight weeks each, with a final reading and examination period of four weeks.

The following dates are subject to change as circumstances may require.

1944

January 3—Beginning of academic year. New class enters. Registration for all classes.

First trimester begins for first, second, and third classes; ends March 18.

First quarter begins for fourth class; ends February 26.

February 28—Second quarter for fourth class begins; ends April 22.

March 20—Second trimester begins; ends June 3.

Registration for all classes.

April 24—Third quarter for fourth class begins; ends June 17.

June 5—Third trimester begins; ends August 19.

Registration for all classes.

June 19—Fourth quarter for fourth class begins; ends August 12.

August 14—Reading and examination period for fourth class begins; ends September 9.

August 21—Reading and examination period for first, second, and third classes begins; ends September 9.

September 10—Vacation for first, second, and third classes begins; ends October 4.

September 12—Commencement exercises for fourth class.

October 5—Beginning of academic year. New class enters. Registration for all classes.

First trimester begins for first, second, and third classes; ends December 23.

First quarter begins for fourth class; ends December 2.

December 4—Second quarter for fourth class begins; ends February 3, 1945.

December 24—Christmas recess for all classes begins; ends December 31, 6 p. m.

January 2—Second trimester begins; ends March 17.

1945

February 5—Third quarter for fourth class begins; ends March 31.

March 19—Third trimester begins; ends June 2.

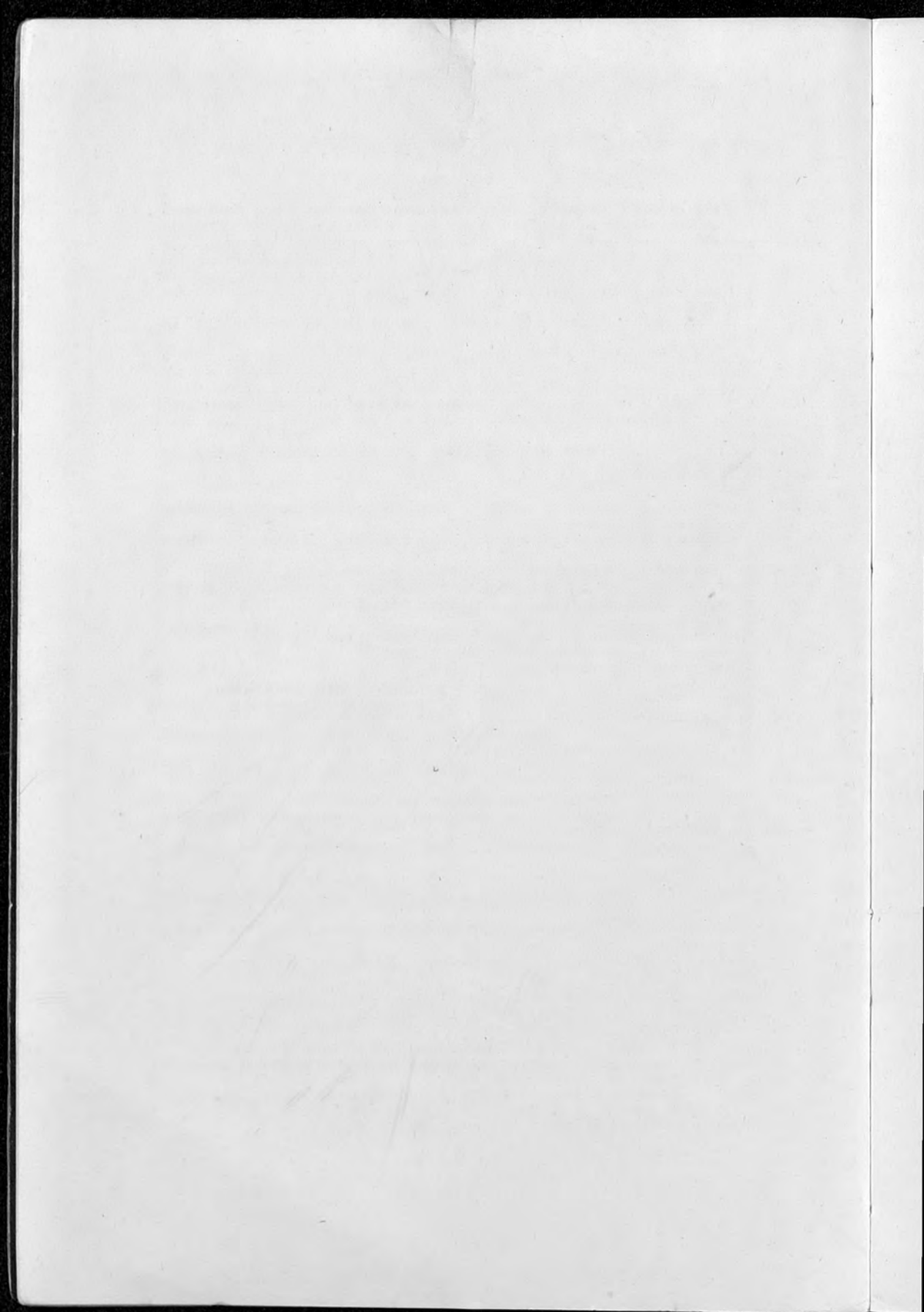
Registration for all classes.

April 2—Fourth quarter for fourth class begins; ends May 26.

May 28—Reading and examination period for fourth class begins; ends June 16.

June 4—Reading and examination period for first, second, and third classes begins; ends June 23.

June 23—Commencement exercises for fourth class.



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A.B., DePauw University, 1901; A.M., 1903; Ph.D., Cornell University, 1905;
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PHILIP ANDERSON SHAFFER *Dean*
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D.,
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EMERITI

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B.S., University of Iowa, 1894; M.S., 1896; M.D., 1896.

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M.D., University of New York, 1891.

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M.D., Harvard University, 1896.

VILRAY PAPIN BLAIR *Professor Emeritus of Clinical Surgery*
A.M., Christian Brothers College, 1890; M.D., Washington University, 1893.

ALBERT ERNEST TAUSSIG² *Professor Emeritus of Clinical Medicine*
A.B., Harvard University, 1891; M.D., St. Louis Medical College, 1894

WILLARD BARTLETT *Professor Emeritus of Clinical Surgery*
A.B., Illinois College, 1892; A.M., 1898; D.Sc., 1926; M.D., Marion Sims Col-
lege of Medicine, 1895.

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Obstetrics and Gynecology*
A.B., Harvard University, 1893; M.D., St. Louis Medical College, 1898

HARRY WEBSTER LYMAN *Professor Emeritus of Clinical
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M.D., St. Louis College of Physicians and Surgeons, 1895.

FREDERICK ENO WOODRUFF *Associate Professor Emeritus of Clinical
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M.D., Missouri Medical College, 1897; A.B., Washington University, 1923.

WALTER BAUMGARTEN *Assistant Professor Emeritus of Clinical
Medicine*
A.B., Johns Hopkins University, 1894; M.D., St. Louis Medical College, 1896.

LOUIS HENRY HEMPELMANN *Assistant Professor Emeritus of Clinical
Medicine*
M.D., St. Louis Medical College, 1896.

¹ Arranged in groups in order of appointment, as of December, 1943.

² Deceased, January 16, 1944.

³ Deceased, August 21, 1943.

* In Military Service.

** On leave in government war service.

ADOLPH GEORGE SCHLOSSSTEIN . . . *Assistant Professor Emeritus of
Clinical Obstetrics and Gynecology*
M.D., St. Louis Medical College, 1894.

THOMAS B. POTE . . . *Lecturer Emeritus in Pathology*
D.V.S., McGill University, 1892; M.D., Washington University, 1902.

PROFESSORS

JOSEPH ERLANGER . . . *Professor of Physiology and Head of the
Department*
B.S., University of California, 1895; M.D., Johns Hopkins University, 1899;
LL.D., University of California, 1932; Sc.D., University of Pennsylvania, 1936;
Sc.D., University of Wisconsin, 1936; Sc.D., University of Michigan, 1937.

PHILIP ANDERSON SHAFFER . . *Professor of Biological Chemistry and
Head of the Department*
A.B., West Virginia University, 1900; Ph.D., Harvard University, 1904; Sc.D.,
University of Rochester, 1939.

EVARTS AMBROSE GRAHAM . *Bixby Professor of Surgery and Head of
the Department*
A.B., Princeton University, 1904; M.D., Rush Medical College, 1907; M.S.
(hon.), Yale University, 1928; LL.D., Central College, 1926; Sc.D., University of
Cincinnati, 1927; Sc.D., Princeton University, 1929; Sc.D., Western Reserve
University, 1931; Sc.D. (hon.), University of Pennsylvania, 1940; Sc.D. (hon.),
University of Chicago, 1941.

OTTO HENRY SCHWARZ *Professor of Clinical Obstetrics and Gynecology*
M.D., Washington University, 1913.

SHERWOOD MOORE *Professor of Radiology and Head of the Department*
M.D., Washington University, 1905.

EDMUND VINCENT COWDRY . . *Professor of Anatomy and Head of the
Department*
B.A., University of Toronto, 1909; Ph.D., University of Chicago, 1912.

JACQUES JACOB BRONFENBRENNER . . . *Professor of Bacteriology and
Immunology and Head of the Department*
Ph.D., Columbia University, 1912; Dr.P.H., Harvard University, 1919.

GEORGE HOLMAN BISHOP . . . *Professor of Biophysics*
A.B., University of Michigan, 1912; Ph.D., University of Wisconsin, 1920.

CARL F. CORI . . *Professor of Pharmacology and Biological Chemistry
and Head of the Department of Pharmacology*
M.D., University of Prague, 1920.

LAWRENCE TYLER POST . . *Professor of Clinical Ophthalmology and
Head of the Department*
A.B., Yale University, 1909; M.D., Johns Hopkins University, 1913.

ALEXIS FRANK HARTMANN . *Professor of Pediatrics and Head of the
Department*
B.S., Washington University, 1919; M.S., 1921; M.D., 1921.

JEAN VALJEAN COOKE . . . *Professor of Pediatrics*
A.B., West Virginia University, 1903; A.B., Yale University, 1904; M.D., Johns
Hopkins University, 1908.

CARLYLE FERDINAND JACOBSEN . . . *Professor of Medical Psychology*
A.B., University of Minnesota, 1924; Ph.D., 1928.

DAVID MCKENZIE RIOCH¹ . . . *Professor of Neurology*
A.B., Butler College, 1920; M.D., Johns Hopkins University, 1924.

¹ Resigned, September 1, 1943.

ROBERT ALLAN MOORE . *Edward Mallinckrodt Professor of Pathology and Head of the Department*
B.A., Ohio State University, 1921; M.S., 1927; M.D., 1928; Ph.D., Western Reserve University, 1930.

WILLARD MYRON ALLEN . *Professor of Obstetrics and Gynecology and Head of the Department*
B.S., Hobart College, 1926; M.A., University of Rochester, 1929; M.D., 1932; Sc.D. (hon.), Hobart College, 1940.

THEODORE EDWIN WALSH . *Professor of Otolaryngology and Head of the Department*
B.A., Cambridge University, 1921; M.R.C.S., L.R.C.P., London, 1925.

WILLIAM BARRY WOOD, JR. . *Busch Professor of Medicine and Head of the Department*
A.B., Harvard University, 1932; M.D., Johns Hopkins University, 1936.

EDWIN FRANCIS GILDEA . . *Professor of Psychiatry and Head of the Department of Neuropsychiatry*
A.B., Colorado College, 1920; M.D., Harvard University, 1924.

**ARTHUR LLEWELYN HUGHES *Consulting Physicist*
B.Sc., Liverpool University, 1906; M.Sc., 1907; B.A., Cambridge University, 1910; D.Sc., 1912.

JOHN VINCENT LAWRENCE . . . *Director of University Clinics and Assistant Professor of Medicine*
B.S., University of Chicago, 1917; M.D., Rush Medical College, 1924.

BORDEN SMITH VEEDER *Professor of Clinical Pediatrics*
M.D., University of Pennsylvania, 1907.

ERNEST SACHS *Professor of Clinical Neurological Surgery*
A.B., Harvard University, 1900; M.D., Johns Hopkins University, 1904.

MAJOR GABRIEL SEELIG *Professor of Clinical Surgery*
A.B., Harvard University, 1896; M.D., Columbia University, 1900.

WILLIAM EWING SHAHAN *Professor of Clinical Ophthalmology*
A.B., Washington University, 1901; M.D., 1904; A.M., 1912.

MALVERN BRYAN CLOPTON *Professor of Clinical Surgery*
M.D., University of Virginia, 1897.

MEYER WIENER *Professor of Clinical Ophthalmology*
M.D., Missouri Medical College, 1896.

JOHN ALBERT KEY *Professor of Clinical Orthopedic Surgery*
M.D., Johns Hopkins University, 1918.

GRANDISON DELANEY ROYSTON . *Professor of Clinical Obstetrics and Gynecology*
M.D., Washington University, 1907.

ARTHUR WALTER PROETZ *Professor of Clinical Otolaryngology*
A.B., Washington University, 1910; M.D., 1912.

DALTON KEATS ROSE *Professor of Clinical Genitourinary Surgery*
M.D., Washington University, 1915.

T. K. BROWN *Professor of Clinical Obstetrics and Gynecology*
B.S., University of Wisconsin, 1921; M.S., 1922; M.D., Washington University, 1924.

HARRY LOUIS ALEXANDER *Professor of Clinical Medicine*
A.B., Williams College, 1910; M.D., Columbia University, 1914.

- EDWARD GRAFTON MCGAVRAN . . . *Professor of Public Health Administration and Acting Head of the Department of Public Health*
A.B., Butler University, 1924; M.D., Harvard University, 1928; M.P.H., 1934.
- THOMAS DALE STEWART¹ *Visiting Professor of Anatomy*
A.B., George Washington University, 1927; M.D., Johns Hopkins University, 1931.
- VIRGIL LOEB *Lecturer in Stomatology*
A.B., University of Missouri, 1903; M.D., St. Louis University, 1906; D.D.S., 1906.
- FRANK RICHARD BRADLEY *Lecturer in Hospital Administration*
M.D., Washington University, 1928.

ASSOCIATE PROFESSORS

- WARREN PHILO ELMER *Associate Professor of Clinical Medicine*
M.D., University of Michigan, 1903; B.S., St. Louis University, 1906.
- *HARVEY LESTER WHITE *Associate Professor of Physiology*
B. S., Washington University, 1918; M.D., 1920.
- WILLIAM FREDERIC HARDY *Associate Professor of Clinical Ophthalmology*
M.D., Washington University, 1901.
- GLOVER H. COPHER *Associate Professor of Clinical Surgery*
A.B., University of Missouri, 1916; M.D., Washington University, 1918.
- WILLIAM HARWOOD OLMSTED *Associate Professor of Clinical Medicine*
B.S., Coe College, 1909; M.D., Johns Hopkins University, 1913.
- MILDRED TROTTER *Associate Professor of Anatomy*
A.B., Mount Holyoke College, 1920; M.S., Washington University, 1921; Ph.D., 1924.
- ARTHUR SCOTT GILSON, JR. *Associate Professor of Physiology*
B.S., Dartmouth College, 1919; A.M., Harvard University, 1922; Ph.D., 1924.
- DREW WILLIAM LUTEN *Associate Professor of Clinical Medicine*
A.B., University of Kentucky, 1901; M.D., Johns Hopkins University, 1911.
- JOSEPH WILLIAM LARIMORE *Associate Professor of Clinical Medicine*
A.B., DePauw University, 1908; M.D., Washington University, 1913.
- THEODORE C. HEMPELMANN² *Associate Professor of Clinical Pediatrics*
M.D., Washington University, 1908.
- *JAMES LEE O'LEARY *Associate Professor of Neuroanatomy and Assistant Professor of Neurology*
B.S., University of Chicago, 1921; Ph.D., 1928; M.D., 1931.
- ROBERT ELMAN *Associate Professor of Clinical Surgery*
B.S., Harvard University, 1919; M.D., Johns Hopkins University, 1922.
- PETER HEINBECKER *Associate Professor of Clinical Surgery*
B.A., McGill University, 1918; M.D., 1921.
- *JAMES BARRETT BROWN *Associate Professor of Clinical Surgery*
M.D., Washington University, 1923.
- HUGH McCULLOCH *Associate Professor of Clinical Pediatrics*
A.B., University of Arkansas, 1908; M.D., Johns Hopkins University, 1912.
- HELEN TREDWAY GRAHAM *Associate Professor of Pharmacology*
A.B., Bryn Mawr College, 1911; A.M., 1912; Ph.D., University of Chicago, 1915.

¹ July 1 to December 31, 1943.² Deceased, December 13, 1943.

- MARTIN HAYWARD POST *Associate Professor of Clinical Ophthalmology*
A.B., Amherst College, 1908; M.D., Johns Hopkins University, 1912.
- NATHAN ANTHONY WOMACK *Associate Professor of Clinical Surgery*
B.S., University of North Carolina, 1922; M.D., Washington University, 1924.
- *LEONARD THOMPSON FURLOW *Associate Professor of Clinical Neurological Surgery*
B.S., Emory University, 1923; M.D., 1925.
- **ROBERT LYSTER THORNTON *Physicist in Charge of the Cyclotron of the Radiological Institute*
B.S., McGill University, 1930; Ph.D., 1936.
- FRENCH KELLER HANSEL *Associate Professor of Clinical Otolaryngology*
M.D., St. Louis University, 1918; M.S., University of Minnesota, 1923.
- ARTHUR MAXWELL ALDEN *Associate Professor of Clinical Otolaryngology*
A.B., University of Oklahoma, 1907; A.M., 1909; M.D., St. Louis University, 1915.
- RICHARD SIMON WEISS *Associate Professor of Clinical Dermatology and Acting Head of the Department of Dermatology*
M.D., Washington University, 1909.
- JAMES BRAY COSTEN *Associate Professor of Clinical Otolaryngology*
A.B., University of Arkansas, 1916; M.D., Washington University, 1922.
- CECIL MARVIN CHARLES *Associate Professor of Anatomy and Assistant in Clinical Medicine*
A.B., University of Kentucky, 1926; A.M., 1927; Ph.D., Washington University, 1929; M.D., 1933.
- CARL VERNON MOORE *Associate Professor of Medicine*
A.B., Washington University, 1928; M.D., 1932.
- FREDERICK OSCAR SCHWARTZ *Associate Professor of Clinical Ophthalmology*
M.D., Washington University, 1910.
- MARGARET GLADYS SMITH *Associate Professor of Pathology*
A.B., Mount Holyoke College, 1918; M.D., Johns Hopkins University, 1922.
- EARL H. PERRY *Associate Professor of Military Science and Tactics*
M.D., University of Pennsylvania (MC), 1903.
- GERTY T. CORI *Associate Professor of Research Biological Chemistry and Pharmacology*
M.D., University of Prague, 1920.
- SAMUEL HAROLD GRAY *Associate Professor of Pathology*
A.B., Columbia University, 1920; M.D., 1923.

ASSISTANT PROFESSORS

- ARTHUR OSCAR FISHER *Assistant Professor of Clinical Surgery*
A.B., University of Wisconsin, 1905; M.D., Johns Hopkins University, 1909.
- FRANK HENRY EWERHARDT *Assistant Professor of Physical Therapeutics*
M.D., Washington University, 1910.
- *MILLARD FILLMORE ARBUCKLE *Assistant Professor of Clinical Otolaryngology*
M.D., Washington University, 1909.

- HAROLD ATEN BULGER** . . . *Assistant Professor of Clinical Medicine*
B.S., Ohio State University, 1916; M.D., Harvard University, 1920.
- CHARLES ALLEN STONE** . . . *Assistant Professor of Clinical Orthopedic Surgery*
B.S., Blackburn College, 1904; M.D., Washington University, 1908.
- DUFF SHEDERIC ALLEN** . . . *Assistant Professor of Clinical Surgery*
M.D., Washington University, 1919.
- ETHEL RONZONI BISHOP** . . . *Assistant Professor of Biological Chemistry*
B.S., Mills College, 1913; A.M., Columbia University, 1914; Ph.D., University of Wisconsin, 1922.
- FRANK POWELL MCNALLEY** . . . *Assistant Professor of Clinical Obstetrics and Gynecology*
B.S., Washington University, 1915; M.D., 1917.
- CHARLES DARRELL O'KEEFE** . . . *Assistant Professor of Clinical Obstetrics and Gynecology*
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- LAWRENCE DORLAND THOMPSON** . . . *Assistant Professor of Clinical Medicine*
B.S., Rutgers College, 1917; M.D., Cornell University, 1922.
- ISAAC DEE KELLEY, JR.** *Assistant Professor of Clinical Otolaryngology*
B.S., St. Louis University, 1903; M.D., 1908.
- ANDREW BLUCHER JONES** . . . *Assistant Professor of Clinical Neurology*
M.D., Vanderbilt University, 1916.
- RICHARD PADDOCK** . . . *Assistant Professor of Clinical Obstetrics and Gynecology*
M.D., Washington University, 1921.
- GEORGE EDWIN HOURN** . . . *Assistant Professor of Clinical Otolaryngology*
D.D.S., University of Minnesota, 1903; M.D., Washington University, 1913.
- CLARENCE HARRISON CREGO, JR.** . . . *Assistant Professor of Clinical Orthopedic Surgery*
B.S., Union University, 1921; M.D., University of Michigan, 1923.
- OTTO ST. CLAIR KREBS** . . . *Assistant Professor of Clinical Obstetrics and Gynecology*
B.S., Washington University, 1917; M.D., 1919.
- BENNETT YOUNG ALVIS** *Assistant Professor of Clinical Ophthalmology*
B.S., St. Louis University, 1916; M.D., 1918.
- BERNARD JOHN MCMAHON**¹ *Assistant Professor of Clinical Otolaryngology*
A.B., St. Louis University, 1913; M.D., 1917; M.Sc. (Med.), Graduate School of Medicine, University of Pennsylvania, 1926.
- WILLIAM BRYAN KOUNTZ** . . . *Assistant Professor of Clinical Medicine*
M.D., Washington University, 1926.
- ARCHIE DREYFUS CARR** . . . *Assistant Professor of Clinical Neurology*
B.S., Washington University, 1918; M.D., 1921.
- PHILIP LEONARD VARNEY** . . . *Assistant Professor of Bacteriology and Immunology*
B.S., Oregon Agricultural College, 1923; M.S., Washington University, 1926; Ph.D., 1933.

¹ Resigned, October 15, 1943.

- THEODORE PREWITT BROOKES** *Assistant Professor of Clinical Orthopedic Surgery*
M.D., Washington University, 1909.
- ROBERT JAMES CROSSEN** . . . *Assistant Professor of Clinical Obstetrics and Gynecology*
A.B., Oberlin College, 1921; M.D., Washington University, 1925.
- JULIUS JENSEN** *Assistant Professor of Clinical Medicine*
M.R.C.S., England, 1922; L.R.C.P., University of London, 1923; Ph.D., University of Minnesota, 1929.
- ROGERS DEAKIN** *Assistant Professor of Clinical Genitourinary Surgery*
M.D., Washington University, 1922.
- CYRIL MITCHELL MACBRYDE** . *Assistant Professor of Clinical Medicine*
A.B., Washington University, 1926; M.D., Harvard University, 1930.
- *WENDELL GARRISON SCOTT** . *Assistant Professor of Clinical Radiology*
A.B., University of Colorado, 1928; M.D., Washington University, 1932.
- *VAL BEYER SATTERFIELD** . *Assistant Professor of Clinical Psychiatry*
B.S., Washington University, 1922; M.D., 1924.
- ALFRED D. HERSHEY** . . . *Assistant Professor of Bacteriology and Immunology*
Ph.D., Michigan State College, 1934.
- *LOUIS LEON TUREEN** . . . *Assistant Professor of Clinical Neurology*
B.S., Washington University, 1925; M.D., 1927.
- *FREDERICK AUGUSTUS JOSTES** *Assistant Professor of Clinical Orthopedic Surgery*
B.S., Washington University, 1918; M.D., 1920.
- GEORGE DAVID KETTELKAMP** . *Assistant Professor of Clinical Medicine*
A.B., Central Wesleyan College, 1910; M.D., Washington University, 1914.
- WILLIAM MAHLON JAMES** *Assistant Professor of Clinical Ophthalmology*
B.S., Drury College, 1923; M.D., Washington University, 1926.
- *ALFRED J. CONE** . . . *Assistant Professor of Clinical Otolaryngology*
B.S., State University of Iowa, 1921; M.D., 1923; M.S., 1926.
- JOHN E. HOBBS** *Assistant Professor of Clinical Obstetrics and Gynecology*
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- *HUBERT BEAUFORT PEUGNET** *Assistant Professor of Physiology*
A.B., St. Louis University, 1924; M.D., 1930.
- *EDGAR ALLAN BLAIR** *Assistant Professor of Physiology*
A.B., Vanderbilt University, 1925; M.S., 1927; Ph.D., Washington University, 1938.
- HARRY NAYLOR GLICK** . *Assistant Professor of Clinical Otolaryngology*
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- HAMILTON BURROWS GREAVES ROBINSON** *Associate in Pathology*
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- CARL REINARD WEGNER** . . *Assistant Professor of Clinical Obstetrics and Gynecology*
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- *DANIEL WILBUR MYERS . . . *Assistant Professor of Clinical Medicine*
A.B., University of Michigan, 1929; M.D., 1932.
- *SAMUEL RUSSELL WARSON . . . *Assistant Professor of Psychiatry*
A.B., McGill University, 1930; M.D., 1934.
- *AVERY PECK ROWLETTE . . . *Assistant Professor of Clinical Surgery*
M.D., Washington University, 1929.
- ARDA ALDEN GREEN . . . *Assistant Professor of Biological Chemistry and
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- *LEE DE CADY *Assistant Professor of Clinical Medicine*
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- *DUDLEY REEVES SMITH . . . *Assistant Professor of Clinical Obstetrics
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M.D., Washington University, 1923.
- *SAMUEL DAVID SOULE . . . *Assistant Professor of Clinical Obstetrics
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- *A. NORMAN ARNESON . . . *Assistant Professor of Clinical Radiology and
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- *FRANKLIN EDWARD WALTON . . . *Assistant Professor of Clinical Surgery*
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- MARION CLAIRE MORRIS¹ . . . *Assistant Professor of Bacteriology and
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- MELVIN ANDREW ROBLEE . . . *Assistant Professor of Clinical Obstetrics
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- BARRETT LEARNED TAUSSIG . . . *Assistant Professor of Clinical Medicine*
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- *BRIAN BREWER BLADES *Assistant Professor of Clinical Surgery*
A.B., University of Kansas, 1928; M.D., Washington University, 1932.
- RUSSELL JOHN BLATTNER *Assistant Professor of Pediatrics*
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- *HENRY GERARD SCHWARTZ *Assistant Professor of Clinical
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A.B., Princeton University, 1928; M.D., Johns Hopkins University, 1932.
- *ROBERT WILSON BARTLETT . . . *Assistant Professor of Clinical Surgery
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B.S., University of Michigan, 1926; M.D., 1930.
- LOUIS T. BYARS *Assistant Professor of Clinical Surgery*
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- LAUREN VEDDER ACKERMAN *Assistant Professor of Pathology*
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- IRWIN LEVY *Assistant Professor of Clinical Neurology*
A.B., Cornell University, 1927; M.D., St. Louis University, 1931; Med. Sci. D.,
Columbia University, 1935.

¹ Resigned, August 31, 1943.

- JOHN ALBION SAXTON *Assistant Professor of Pathology*
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- LLEWELLYN SALE *Assistant Professor of Clinical Medicine*
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- WALTER FISCHER *Assistant Professor of Clinical Medicine*
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- ADOLPH HENRY CONRAD . . *Assistant Professor of Clinical Dermatology*
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- ARTHUR EDGAR STRAUSS . . *Assistant Professor of Clinical Medicine*
S.B., Harvard University, 1912; M.D., 1917.
- SAMUEL BECKER GRANT . . . *Assistant Professor of Clinical Medicine*
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- ALFRED GOLDMAN *Assistant Professor of Clinical Medicine*
A.B., Washington University, 1916; M.D., 1920.
- HOWARD ROMMEL HILDRETH *Assistant Professor of Clinical Ophthalmology*
M.D., Washington University, 1928.
- CARL CONRAD BEISBARTH *Assistant Professor of Clinical Ophthalmology*
B.S., St. Louis University, 1924; M.D., 1926.
- HIROMU TSUCHIYA *Assistant Professor of Parasitology*
A.B., University of Missouri, 1913; Sc.D., Johns Hopkins University, 1930.
- PAUL ALLEN WHEELER³ *Assistant Professor of Pathology*
A.B., University of Texas, 1925; M.D., Vanderbilt University, 1932.
- *PAUL OONK HAGEMAN *Assistant Professor of Clinical Medicine*
A.B., Washington University, 1930; M.D., 1934.
- CARL GAYLOR HARFORD *Assistant Professor of Clinical Medicine*
A.B., Amherst College, 1928; M.D., Washington University, 1933.
- WILLIAM OGBURN RUSSELL *Assistant Professor of Pathology (Neuropathology)*
A.B., Stanford University, 1933; M.D., 1937.
- JOHN RUSSELL SMITH *Assistant Professor of Medicine*
A.B., University of Wisconsin, 1931; A.M., 1932; M.D., Washington University, 1934.
- HANS BARSO MOLHOLM¹ *Assistant Professor of Psychiatry*
A.B., Harvard University, 1926; M.D., 1931.
- MALCOLM M. COOK *Assistant Professor of Pediatrics and of Preventive Medicine and Physician in Charge of Student Health Service*
B.S., Emory University, 1920; M.D., 1933.
- KEHAR S. CHOUKE² *Visiting Assistant Professor of Anatomy*
M.D., Washington University, 1922; M.A., University of Colorado, 1929.
- GERALDINE LERMIT *Lecturer on Occupational Therapy*
A.B., Wellesley College, 1906; Ph.M., University of Chicago, 1907.
- RUTH ELIZABETH MARTIN . . . *Dentist to the Department of Pediatrics*
D.D.S., Washington University, 1923.

¹ Effective September 1, 1943.² Effective January 1 to June 30, 1944.³ Resigned, December 31, 1943.

RESEARCH ASSOCIATES

- VALENTINA SUNTZEFF *Research Associate in Cytology*
M.D., Women's Medical Institute, Petrograd, Russia, 1917.
- WILLIAM LOYAL SIMPSON *Research Associate in Cytology*
S.B., University of Chicago, 1934; Ph.D., 1938.
- WILLIAM CRAMER *Research Associate in Cytology*
Ph.D., University of Berlin, 1900; D.Sc., University of Edinburgh, 1907;
M.R.C.S., L.R.C.P., London, 1916
- *THEODORE E. WEICHSELBAUM . . . *Research Associate in Bacteriology*
- *MARY LUCY MILLER *Research Associate in Pathology*
A.B., Syracuse University, 1927; M.A., Columbia University, 1929; Ph.D., 1934.
- CHARLOTTE MCLEOD *Research Associate in Medicine*
B.S., University of Miami, 1936; D.Sc., Johns Hopkins University, 1939.
- KURT SALOMON¹ . . . *Research Associate in Psychiatry and in Radiology*
M.D., University of Frankfurt, 1926; Ph.D., University of Freiburg, 1928.

INSTRUCTORS

- JEROME EPSTEIN COOK *Instructor in Clinical Medicine*
M.D., Washington University, 1905.
- ADRIEN BLEYER *Instructor in Clinical Pediatrics*
M.D., Missouri Medical College, 1899.
- FRANK DE VORE GORHAM *Instructor in Clinical Medicine*
A.B., Indiana University, 1910; M.D., Washington University, 1912.
- CHARLES HERMANN EYERMANN . . . *Instructor in Clinical Medicine*
M.D., St. Louis University, 1911.
- PARK JERAULD WHITE *Instructor in Clinical Pediatrics*
A.B., Harvard University, 1913; M.D., Columbia University, 1917.
- PAUL JOHN ZENTAY . . . *Instructor in Clinical Pediatrics and in Clinical Neurology*
M.D., University of Kolozsvár, 1914.
- PAUL EDWARD KUBITSCHKE . . . *Instructor in Child Psychiatry and in Clinical Pediatrics*
B.S., Creighton University, 1918; M.D., 1922; D.Sc., University of Pennsylvania, 1928.
- WAYNE ARTHUR RUPE *Instructor in Clinical Pediatrics*
A.B., University of Missouri, 1916; M.D., Washington University, 1918.
- HIRAM SHAW LIGGETT *Instructor in Clinical Medicine*
M.D., Washington University, 1920.
- CHARLES WILLIAM DUDEN *Instructor in Clinical Medicine*
M.D., Washington University, 1926.
- IRENE KOECHIG FREIBERG *Instructor in Biological Chemistry*
A.B., Washington University, 1912; A.M., 1913.
- JOSEPH FRANCIS BREDECK *Instructor in Clinical Medicine and Lecturer in Public Health Administration*
A.B., Christian Brothers College, 1910; M.D., Washington University, 1914;
D.P.H., University of Pennsylvania, 1917.
- ANTHONY BIGELOW DAY *Instructor in Clinical Medicine*
B.S., Harvard University, 1913; M.D., Washington University, 1919.

¹ Effective December 1, 1943.

- *HOWARD A. RUSK** *Instructor in Clinical Medicine*
A.B., University of Missouri, 1923; M.D., University of Pennsylvania, 1925.
- ANNE MACGREGOR PERLEY** *Instructor in Biological Chemistry in Pediatrics*
A.B., Grinnell College, 1927; A. M., University of Nebraska, 1929.
- OSCAR CHARLES ZINK** *Instructor in Clinical Radiology*
M.D., Washington University, 1921.
- JOSEPH HOY SANFORD** *Instructor in Clinical Genitourinary Surgery*
M.D., Tulane Medical College, 1908.
- OTTO JULIUS WILHELMI** *Instructor in Clinical Genitourinary Surgery*
B.S., Washington University, 1915; M.D., St. Louis University, 1917.
- HENRY SPENCE BROOKES, JR.** *Instructor in Clinical Surgery*
M.D., Washington University, 1917.
- J. G. PROBSTEN** *Instructor in Clinical Surgery*
M.D., Loyola University, 1917.
- CARLISS MALONE STROUD** *Instructor in Clinical Medicine*
B.S., University of Mississippi, 1924; M.D., Washington University, 1926.
- LOUIS F. AITKEN** *Instructor in Clinical Medicine*
B.S., University of Illinois, 1923; M.D., Washington University, 1927.
- J. TED JEAN** *Instructor in Clinical Medicine*
A.B., Indiana University, 1924; M.D., Washington University, 1928.
- LAWRENCE GOLDMAN** *Instructor in Clinical Pediatrics*
A.B., Washington University, 1924; M.D., 1928.
- GROVER BERNARD LIESE** *Instructor in Clinical Obstetrics and Gynecology*
A.B., Real-Gymnasium, Cassel, Germany, 1910; M.D., University of Heidelberg, 1918.
- WILLIAM GOODWIN COLEMAN** *Instructor in Clinical Dermatology*
B.S., Washington University, 1917; M.D., 1919.
- CLINTON WELSH LANE** *Instructor in Clinical Dermatology*
A.B., St. Mary's College (Kansas), 1916; M.D., St. Louis University, 1921.
- *ROBERT VOTAW** *Instructor in Clinical Otolaryngology*
B.S., State University of Iowa, 1927; M.D., 1929.
- MARTIN FEENEY ENGMAN, JR.** *Instructor in Clinical Dermatology*
M.D., Washington University, 1928.
- *PAUL WILLIAM PREISLER** *Instructor in Biological Chemistry*
B.S., Washington University, 1923; M.S., 1925; Ph.D., 1927.
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- EDWIN HENRY ROHLFING** *Instructor in Clinical Pediatrics*
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- *MAX DEUTCH** *Instructor in Clinical Pediatrics*
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- FREDERICK AUGUST JACOBS** *Instructor in Clinical Pediatrics*
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- *STANLEY LEONARD HARRISON . . . *Instructor in Clinical Pediatrics*
B.S., Washington University, 1928; M.D., 1930.
- JOSEPH CABELL JAUDON . . . *Instructor in Clinical Pediatrics*
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- KEVIN CHARLES MORRIN . . . *Instructor in Clinical Obstetrics and Gynecology*
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- *SOL LONDE . . . *Instructor in Clinical Pediatrics*
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- H. RELTON MCCARROLL . . . *Instructor in Clinical Orthopedic Surgery*
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B.S., University of Missouri, 1927; M.D., University of Louisville, 1929.
- THEODORE EUGENE SANDERS . . . *Instructor in Clinical Ophthalmology*
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- *HENRY CLINE ALLEN . . . *Instructor in Pathology and Assistant in Clinical Medicine*
M.D., Washington University, 1933.
- RUTH KAHN¹ . . . *Instructor in Dietetics*
B.S., University of Illinois, 1927.
- *LILBURN CASPER BOEMER . . . *Instructor in Clinical Otolaryngology*
B.S., St. Louis University, 1923; M.D., 1925.
- *JOSEPH GITT . . . *Instructor in Clinical Neurology*
M.D., Washington University, 1930.
- EDWARD MASSIE . . . *Instructor in Clinical Medicine*
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- *JOSEPH CASTRO EDWARDS . . . *Instructor in Clinical Medicine*
A.B., University of Oklahoma, 1930; M.D., Harvard University, 1934.
- ROBERT MALSEED BELL . . . *Instructor in Clinical Psychiatry*
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- *EDWARD SMITH** *Instructor in Pathology*
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- ZOLA KATHARINE COOPER** *Instructor in Pathology*
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- LOUIS HELMAR JORSTAD** *Instructor in Clinical Surgery*
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- *GUERDAN HARDY** *Instructor in Clinical Otolaryngology*
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- *HERBERT M. SMIT** *Instructor in Clinical Otolaryngology*
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- *SAMUEL P. HARBISON** *Instructor in Surgery*
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B.S., in Med. Science, Washington University, 1938; M.D., 1938.
- *JOHN RAY POWERS** *Instructor in Clinical Pediatrics*
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- **LOUIS HENRY HEMPELMANN, JR.** *Instructor in Radiology*
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- MYRON WOODWARD DAVIS** *Instructor in Clinical Obstetrics and Gynecology*
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SIDNEY COLOWICK *Instructor in Biological Chemistry and Pharmacology*
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SHEPPARD MATTHEW WALKER *Instructor in Physiology*
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¹ Resigned, December 31, 1943.

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- CHRISTOPHER CARRUTHERS** *Instructor in Anatomy*
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- *RALPH C. POLLOCK, JR.** *Instructor in Clinical Medicine*
A.B., University of California at Los Angeles, 1936; M.D., Stanford University, 1940.
- MARGARET CRANE-LILLIE GILDEA** *Instructor in Psychiatry*
B.S., University of Chicago, 1923; M.D., Yale University, 1936.
- KENNETH FRANKLIN GLAZE** *Instructor in Clinical Medicine*
A.B., University of Missouri, 1917; B.S., St. Louis University, 1923; M.D., 1923.
- GEORGE MANTING** *Instructor in Clinical Dermatology*
M.D., University of Michigan, 1915.
- HERMAN JOHN ROSENFELD** *Instructor in Clinical Medicine*
M.D., University of Munich (Germany), 1923.
- HARRY WILKS FULBRIGHT** *Instructor in Applied Physics in Radiology*
A.B., Washington University, 1940; M.S., 1942.
- HERBERT BREYFOGLE** *Instructor in Pathology*
A.B., University of Michigan, 1933; M.D., University of Chicago, 1937.
- GEORGE SASLOW** *Instructor in Psychiatry*
B.S., New York University, 1926; Ph.D., 1931; M.D., Harvard University, 1940.
- LEONARD MARVIN BOARD** *Instructor in Public Health*
B.S. C.E., West Virginia University, 1931.
- ROSEMARY PHILLIPS** *Instructor in Public Health Nursing*
R. N., St. Louis City Hospital, 1920; C.P.H., Washington University, 1935; B.S., 1936.
- ALLEN B. POTTER** *Instructor in Clinical Otolaryngology*
A.B., William Jewell College, 1916; M.D., St. Louis University, 1924.
- ALBERT CHESTERFIELD STUTZMAN** *Instructor in Clinical Otolaryngology*
B.S., Roanoke College, 1927; M.D., University of Virginia, 1931.
- EDWARD WYATT CANNADY** *Instructor in Clinical Medicine*
A.B., Washington University, 1927; M.D., 1931.
- DAVID MILLER SKILLING, JR.** *Instructor in Clinical Medicine*
B.S., Washington and Jefferson College, 1923; M.D., Washington University, 1928.
- HAROLD SCHEFF** *Instructor in Clinical Medicine*
M.D., University of Toronto, 1931.
- JAMES HOWARD BRYAN** *Instructor in Clinical Ophthalmology*
A.B., Washington University, 1932; M.D., 1936.
- JOHN LINSKOTT HORNER** *Instructor in Clinical Medicine*
A.B., Washington University, 1932; M.D., 1936.
- HARRY EWING WACHTER** *Instructor in Clinical Pediatrics*
A.B., Washington University, 1929; M.D., 1933.
- EDWARD HUMPHREY REINHARD** *Instructor in Medicine and in Radiology*
A.B., Washington University 1935; M.D., 1939.

- ALFRED SEYMOUR SCHWARTZ *Instructor in Clinical Pediatrics*
M.D., Johns Hopkins University, 1936.
- EDITH C. ROBINSON *Instructor in Clinical Pediatrics and in Histology and Neuroanatomy*
M.D., Johns Hopkins University, 1932.
- MARSHALL W. KELLY *Instructor in Clinical Surgery*
M.D., Washington University, 1936.
- *MICHAEL MEYER KARL *Instructor in Clinical Medicine*
M.D., University of Louisville, 1938.
- ARTHUR CHARLES BROOKS *Instructor in Clinical Medicine*
B.S., Washington University, 1917; M.D., 1919.
- *JOHN HENRY DOVAL *Instructor in Pediatrics*
A.B., University of California, 1935; M.D., 1939.
- GILBERT BURNETT FORBES *Instructor in Pediatrics*
A.B., University of Rochester, 1936; M.D. 1940.
- *G. O'NEIL PROUD *Instructor in Otolaryngology*
A.B., University of Missouri, 1935; M.D., Washington University, 1939.
- GEORGE WILBUR SALMON *Instructor in Pediatrics*
M.D., University of Texas, 1939.
- ROBERT EUGENE STOWELL *Instructor in Pathology*
A.B., Stanford University, 1936; M.D., 1941.
- JULIUS WALKER VIEAUX *Instructor in Obstetrics and Gynecology*
B.S., Northwestern University, 1921; M.D., Washington University, 1935.
- VIRGINIA SINGLETON LANIER *Instructor in Anatomy*
B.S., Western Kentucky State Teachers College, 1937; A.B., 1938; M.D., Washington University, 1941.
- ALFRED D. BUCHMUELLER *Instructor in Social Service in Neuropsychiatry*
A.B., Elmhurst College, 1931.
- J. KARL POPPE *Instructor in Surgery*
A.B., Hamilton College, 1933; M.D., Washington University, 1937.
- EDMUND ANTON SMOLIK *Instructor in Neurological Surgery*
A.B., John Carroll University, 1932; M.D., Western Reserve University, 1936; M.S., University of Louisville, 1940.
- HARRY WILLIAM WIESE¹ *Instructor in Clinical Medicine*
B.S., Washington University, 1920; M.D., 1922.
- DONALD STEWART BOTTOM *Instructor in Radiology*
A.B., Washington University, 1932; M.D., 1940.
- RICHARD WESLEY MAXWELL *Instructor in Clinical Medicine and Assistant in Clinical Radiology*
A.B., Greenville College, 1932; M.D., University of Chicago, 1937.
- CHESTER ANTOS² *Instructor in Pediatrics*
A.B., Boston College, 1931; M.D., Georgetown University, 1938.
- CHARLES LEONARD ECKERT³ *Instructor in Surgery*
M.D., Washington University, 1939.
- JOHN THOMAS AKIN³ *Instructor in Surgery*
M.D., Emory University, 1940.

¹ Effective August 1, 1943.² Effective January 1, 1944.³ Effective January 1, 1944 (Assistant July 1 to December 31, 1943).

GORDON FAIRLE MOORE¹ *Instructor in Surgery*
B.S., Wilmington College, 1930; M.S., Ohio State University, 1932; M.D., Washington University, 1940.

JULIUS ELSON² *Instructor in Clinical Medicine*
M.D., Washington University, 1928.

OSCAR AUERBACH² *Visiting Instructor in Pathology*
M.D., New York University, 1929.

*CARL EDWARD LISCHER¹ *Instructor in Surgery*
A.B., University of California, 1933; M.D., Washington University, 1937.

FRANK McDOWELL¹ *Instructor in Clinical Surgery*
A.B., Drury College, 1932; M.D., Washington University, 1936.

ALFRED MCKEE LARGE¹ *Instructor in Surgery*
A.B., University of Toronto, 1933; M.D., 1936.

ROBERT A. HARRIS *Dentist to the Department of Pediatrics*
D.D.S., Washington University, 1933.

LECTURERS

JOSEPH C. WILLETT *Lecturer in Public Health Diagnostic Methods*
D.V.M., United States Veterinary College, 1920.

ROY EARL MASON *Lecturer in Clinical Ophthalmology*
M.D., St. Louis University, 1905.

EDGAR VAN NORMAN EMERY *Lecturer in Psychiatry*
M.B., University of Toronto, 1911; M.D., 1931.

WILLIAM W. CROWDUS *Lecturer in Medical Jurisprudence*
LL.B., Washington University, 1922.

JOHN OSCAR BUXELL *Lecturer in Public Health*
B.S.Ch.E., Washington University, 1934; M.S., 1936.

ALLEN O. GRUEBEL *Lecturer in Public Health*
D.D.S., Kansas City Western Dental College, 1923.

ASSISTANTS

MAURICE JULIUS LONSWAY *Assistant in Clinical Pediatrics*
B.S., Valparaiso University, 1910; M.D., St. Louis University, 1914.

OLIVER ABEL, JR. *Assistant in Clinical Medicine*
B.S., Washington University, 1922; M.D., 1923.

WILLIAM GEORGE BECKE *Assistant in Clinical Medicine*
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FRANCIS JOHN CANEPA *Assistant in Clinical Obstetrics and Gynecology*
M.D., Washington University, 1922.

HELEN GAGE *Assistant in Clinical Otolaryngology*
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BARBARA STANDISH KENDALL *Assistant in Medical Psychology*
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BERTRAND YOUNKER GLASSBERG *Assistant in Clinical Medicine*
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- GRACE MEHRTEN *Assistant in Applied Bacteriology in Medicine*
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- *MILTON SMITH *Assistant in Clinical Medicine*
B.S., Washington University, 1928; M.D., 1930.
- IRWIN HERMAN ESKELES *Assistant in Clinical Dermatology*
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- JOSEPH ALOYSIUS BAUER *Assistant in Clinical Pediatrics*
M.D., Washington University, 1926.
- FREDERICK W. SCHERRER, JR. *Assistant in Clinical Otolaryngology*
B.S., St. Louis University, 1926; M.D., 1928; M.S., in Otolaryngology, University of Pennsylvania, 1932.
- LEE BULLEN HARRISON *Assistant in Clinical Medicine*
A.B., University of Utah, 1925; M.D., Washington University, 1927.
- FRANCES H. STEWART *Assistant in Clinical Obstetrics and Gynecology*
M.D., Washington University, 1927.
- HARRY L. THIEME *Assistant in Clinical Orthopedic Surgery*
B.S., St. Louis University, 1922; M.D., 1924.
- KURT MANSBACHER *Assistant in Clinical Medicine*
M.D., Friedrich-Wilhelms University, 1919.
- LESLIE ENDICOTT PATTON *Assistant in Clinical Obstetrics and Gynecology*
B.S., St. Louis University, 1921; M.D., 1924.
- *PAUL FRANKLIN MAX *Assistant in Clinical Obstetrics and Gynecology*
B.S., Washington University, 1932; M.D., 1932.
- *SIM F. BEAM *Assistant in Clinical Medicine*
A.B., University of Missouri, 1928; M.D., Washington University, 1932.
- *EDMUND BENNETT ALVIS *Assistant in Clinical Ophthalmology*
M.D., Washington University, 1934.
- MORRIS MOORE *Mycologist to the Department of Dermatology*
B.S., Boston University, 1928; A.M., Harvard University, 1929; Ph.D., Washington University, 1933.
- ALVAH GERRIT HEIDEMAN *Assistant in Clinical Surgery*
M.D., Washington University, 1926.
- *HARRY DAVID ROSENBAUM *Assistant in Clinical Ophthalmology*
M.D., Washington University, 1934.
- WILLIAM THOMAS KIMLIN BRYAN *Assistant in Clinical Otolaryngology*
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- OLGA BIERBAUM *Assistant in Hematology in Medicine*
B.S., in Ed., Ohio State University 1930 .
- HELEN MARGARET AFF *Assistant in Clinical Pediatrics*
B.S., Washington University, 1934; M.D., 1934.
- *OSCAR PERRY HAMPTON, JR. *Assistant in Clinical Orthopedic Surgery*
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- *MAURICE BERNARD ROCHE *Assistant in Clinical Orthopedic Surgery*
M.D., St. Louis University, 1933.
- *HARRY AGRESS *Assistant in Clinical Medicine and in Pathology*
B.S., Washington University, 1932; M.D., 1932.

- *WILLIAM R. ARROWSMITH *Assistant in Clinical Medicine*
B.S., Muskingum College, 1930; M.D., Ohio State University, 1938.
- *WILSON GORDON BROWN *Assistant in Pathology*
A.B., William Jewell College, 1935; M.D., Washington University, 1939.
- *S. ALBERT HANSEN *Assistant in Clinical Ophthalmology*
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- *ROBERT WILSON KELLEY *Assistant in Clinical Medicine*
A.B., Southwestern College, 1932; M.D., Washington University, 1936.
- *RAYMOND RAY LANIER, JR. *Assistant in Anatomy*
B.A., University of Richmond, 1935; Ph.D., Washington University, 1939.
- *BERNARD SCHWARTZMAN *Assistant in Clinical Pediatrics*
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- *BENJAMIN HYNES CHARLES *Assistant in Clinical Medicine*
M.B., Ch.B., University of Edinburgh, 1934.
- *TRUMAN GUTHRED DRAKE, JR. *Assistant in Clinical Medicine*
A.B., Washington University, 1929; M.D., 1933.
- HERMAN HUTTO *Assistant in Clinical Obstetrics and Gynecology*
A.B., University of Alabama, 1932; M.D., Washington University, 1935.
- *JAMES WILLIAM BAGBY *Assistant in Clinical Dermatology*
A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University, 1933.
- *MORRIS DAVID MARCUS *Assistant in Clinical Dermatology*
M.D., Washington University, 1934.
- CARL JACOB ALTHAUS *Assistant in Clinical Genitourinary Surgery*
M.D., St. Louis University, 1917.
- HARRY CUTLER *Assistant in Clinical Genitourinary Surgery*
M.D., St. Louis University, 1930.
- HAROLD HENRY FELLER *Assistant in Clinical Genitourinary Surgery*
M.D., Washington University, 1926.
- JULES H. KOPP *Assistant in Clinical Genitourinary Surgery*
M.D., University of Arkansas, 1931.
- BURCHARD SIMPSON PRUETT *Assistant in Clinical Surgery*
B.S., Washington University, 1929; M.D., 1929.
- CARL J. HEIFETZ *Assistant in Clinical Surgery*
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- *BRUCE CARSON MARTIN *Assistant in Clinical Surgery*
M.D., Washington University, 1935.
- *LOREN FRANCIS BLANEY *Assistant in Clinical Medicine*
A.B., Washington University, 1934; M.D., 1938.
- ELMA KNOT DOUBLY *Assistant in Immunology in Medicine*
A.B., University of Kansas, 1932.
- ANDY HALL, JR. *Assistant in Clinical Genitourinary Surgery*
M.D., Washington University, 1926.
- *GEORGE KALMANSON *Assistant in Bacteriology and Immunology*
B.S., College of the City of New York, 1934; M.S., University of Illinois, 1936; Ph.D., Washington University, 1939.
- VIRGINIA MINNICH *Research Assistant in Hematology in Medicine*
B.S., Ohio State University, 1937; M.S., Iowa State College, 1938.

- HAROLD K. ROBERTS *Assistant in Clinical Medicine*
A.B., Ohio State University, 1935; M.D., 1939.
- *JOHN HARRISON WEDIG *Assistant in Clinical Medicine*
M.D., Washington University, 1938.
- WILLARD TERRILL BARNHART . . . *Assistant in Clinical Genitourinary
Surgery*
A.B., University of Missouri, 1930; B.S., 1931; M.D., Washington University,
1933.
- ANTHONY KARL BUSCH *Assistant in Clinical Psychiatry*
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- *ADOLPH HENRY CONRAD, JR. *Assistant in Clinical Dermatology*
A.B., Washington University, 1934; M.D., 1938.
- *PHILIP SHANNON MOUNTJOY . . . *Assistant in Clinical Otolaryngology*
A.B., Washington University, 1933; M.D., 1937.
- *ALFRED FLEISHMAN *Assistant in Clinical Medicine*
B.S., Washington University, 1935; M.D., 1935.
- *STANLEY FORREST HAMPTON *Assistant in Clinical Medicine*
A.B., Washington and Lee University, 1930; M.D., Washington University,
1934.
- *VIRGIL OTTO FISH *Assistant in Clinical Surgery*
M.D., Washington University, 1930.
- GERHARD ELIAS GRUENFELD *Assistant in Clinical Surgery*
M.D., Friedrich-Wilhelms University, 1923.
- *PAUL TUPPER HARTMAN *Assistant in Clinical Psychiatry*
A.B., Washington University, 1934; M.D., 1938.
- *HAROLD E. FREEDMAN *Assistant in Clinical Medicine*
Ph.B., Yale University, 1929; M.D., Washington University, 1938.
- *THEODOR ENGELMANN KIRCHER, JR. . *Assistant in Clinical Medicine*
A.B., Yale University, 1933; M.D., Washington University, 1937.
- *BART NEWTON WHITE *Assistant in Medicine*
B.S., Duke University, 1935; M.D., Vanderbilt University, 1939.
- *HUBERT LEE ALLEN *Assistant in Clinical Obstetrics and Gynecology*
A.B., University of Kansas, 1932; M.D., Tulane University, 1936.
- *VILRAY PAPIN BLAIR, JR. *Assistant in Surgery*
M.D., Washington University, 1939.
- *RUSSELL J. CRIDER *Assistant in Surgery*
M.D., Washington University, 1940.
- *EDGAR HAYDEN KEYS, JR. *Assistant in Obstetrics and Gynecology*
A.B., Harvard University, 1935; M.D., Washington University, 1939.
- *EDWARD HARRY LYMAN *Assistant in Clinical Otolaryngology*
B.S., Washington University, 1937; M.D., 1937.
- *JOHN EDWARD MIKSICEK *Assistant in Clinical Psychiatry*
A.B., Washington University, 1933; B.S., 1937; M.D., 1937.
- *JOHN JAMES MODLIN *Assistant in Surgery*
B.S., University of Nebraska, 1934; M.D., 1938.
- *GEORGE E. ROULHAC *Assistant in Surgery*
M.D., Vanderbilt University, 1939.

- RICHARD GORDON SCOBEE *Assistant in Ophthalmology*
A.B., Rice Institute, 1935; M.D., University of Texas, 1939.
- *WILLIAM CHARLES STAHL *Assistant in Pathology*
B.S., Virginia Polytechnic Institute, 1931; M.S., Ohio State University, 1932;
M.D., Washington University, 1941.
- *SYDNEY THURMAN WRIGHT *Assistant in Medicine*
A.B., Fresno State College, 1935; B.S., Washington University, 1940; M.D.,
1940.
- *MELVIN B. KIRSTEIN *Assistant in Clinical Medicine*
B.S., Indiana University, 1930; M.D., 1933.
- MARIANNE KUTTNER *Assistant in Clinical Pediatrics*
M.D., Johann Wolfgang Goethe University (Frankfurt on Main), 1931.
- *ROBERT RALPH ANSCHUETZ *Assistant in Pathology*
M.D., Washington University, 1940.
- *ROBERT JEROME COOK *Assistant in Medicine*
A.B., Washington University, 1937; M.D., 1941.
- *FRANCIS RICHARD CROUCH *Assistant in Medicine*
A.B., University of Missouri, 1932; M.D., Washington University, 1936.
- *GLEN PARNELL KALLENBACH *Assistant in Medicine*
A.B., University of Missouri, 1938; B.S. in Med., 1938; M.D., Washington
University, 1940.
- *DAVID NAFE KERR *Assistant in Neurology*
A.B., University of Colorado, 1936; M.D., Washington University, 1941.
- *HENRY PETER LATTUADA *Assistant in Obstetrics and Gynecology*
M.D., University of Illinois, 1938.
- L. WAYLAND MACFARLANE *Assistant in Medicine*
A.B., University of Utah, 1936; M.D., Cornell University, 1940.
- *JOE MARION PARKER *Assistant in Surgery*
A.B., University of Illinois, 1930; M.S., 1932; M.D., Washington University,
1938.
- *HENRY SCHWARZ II *Assistant in Surgery*
B.S., in Med. Sci., Washington University, 1941; M.D., 1941.
- *WILLIAM WOODROW STANBRO *Assistant in Medicine*
M.D., Washington University, 1938.
- *HAROLD CUTLER *Assistant in Otolaryngology*
M.D., Tufts College, 1937.
- PAUL DUNLAP FLEMING *Assistant in Clinical Medicine*
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- *ARTHUR CHARLES DARROW, JR. *Assistant in Clinical Medicine*
A.B., Denison University, 1932; M.D., Washington University, 1936.
- *ROBERT DEAN MATTIS *Assistant in Clinical Ophthalmology*
B.S., St. Louis University, 1935; M.D., 1937.
- PARKER REYNOLDS BEAMER¹ *Assistant in Pathology*
A.B., University of Illinois, 1935; M.S., 1937; Ph.D., 1940.
- *ROBERT ERVIN BUCK *Assistant in Medicine*
B.S., South Dakota State College, 1935; B.S. in Med., University of South
Dakota, 1938; M.D., Washington University, 1941.

¹ Resigned December 31, 1942.

- ARTHUR THOMAS JOHN ESSLINGER . . . *Assistant in Obstetrics and Gynecology*
M.D., Washington University, 1940.
- MINOT PACKER FRYER . . . *Assistant in Surgery*
A.B., Brown University, 1936; M.D., Johns Hopkins University, 1940.
- DAVID GOLDRING . . . *Assistant in Pediatrics*
A.B., Washington University, 1936; M.D., 1940.
- JAMES HAROLD GROWDON¹ . . . *Assistant in Surgery*
M.D., Washington University, 1940.
- *WILLIAM DAVIS HAWKER . . . *Assistant in Clinical Obstetrics and Gynecology*
B.S., Shurtleff College, 1933; M.D., Washington University, 1938.
- *ALBERT INGRAM LANSING . . . *Assistant in Anatomy*
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- FRANCES MARSHALL LOVE . . . *Assistant in Pediatrics*
A.B., Rice Institute, 1937; M.D., Washington University, 1942.
- JOHN HENRY MAYER, JR. . . . *Assistant in Surgery*
M.D., Cornell University, 1939.
- BENJAMIN MILDER . . . *Assistant in Clinical Ophthalmology*
M.D., Washington University, 1939.
- *JACKSON COIL NEAVLES . . . *Assistant in Pathology*
A.B., Washington University, 1938; M.D., 1942.
- *WILLIAM ROBERTSON OAKES . . . *Assistant in Surgery*
M.D., Yale University, 1940.
- EDWIN NORRIS ROBERTSON . . . *Assistant in Ophthalmology*
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- *DAVID BERNARD ROSEHILL . . . *Assistant in Clinical Ophthalmology*
M.D., University of Toronto, 1935.
- *SIMON RUSSI . . . *Assistant in Pathology*
M.D., Royal University of Modena (Italy), 1935.
- BENJAMIN SMITH SKINNER¹ . . . *Assistant in Pediatrics*
B.S. in Med., University of North Carolina, 1937; M.D., Washington University, 1940.
- SIDNEY S. SOBIN . . . *Assistant in Medicine*
B.S., University of Michigan, 1935; M.A., 1936; M.D., 1941.
- VIRGIL AUDREY TOLLAND . . . *Assistant in Clinical Ophthalmology*
B.S., Creighton University, 1934; M.D., 1936.
- ANNE CARLTON TOMPKINS . . . *Assistant in Medicine*
B.S., Union University, 1938; M.D., Washington University, 1941.
- FRANCES KEESLER GRAHAM . . . *Assistant in Medical Psychology*
B.A., Pennsylvania State College, 1938; Ph.D., Yale University, 1942.
- CHARLES EDWARD GILLILAND . . . *Assistant in Clinical Medicine*
B.S., University of Texas, 1917; M.D., University of Kansas, 1911.
- FRANZ LEIDLER . . . *Assistant in Bacteriology and Immunology and in Pathology*
M.S., Kansas State College, 1941; M.D., University of Vienna, 1938.
- SAMUEL PRESTON MARTIN . . . *Assistant in Medicine*
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¹ Resigned, December 31, 1943.

- *FRANK W. STEPHENS *Assistant in Neuropsychiatry*
M.D., Vanderbilt University, 1941.
- WILLIAM PAUL CALLAHAN *Assistant in Pathology*
B.S., University of Notre Dame, 1939; M.D., Washington University, 1943.
- HAROLD EUGENE EISELE *Assistant in Surgery*
A.B., University of Texas, 1936; M.D., Johns Hopkins University, 1940.
- HARLAN I. FIRMINER¹ *Assistant in Pathology*
A.B., Washington University, 1939; M.D., 1943.
- *FREDERICK WILLIAM KLINGE *Assistant in Surgery*
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- *EDWARD OTTO KRAFT, JR. *Assistant in Surgery*
M.D., Washington University, 1942.
- GORDON SPARKS LETTERMAN *Assistant in Surgery*
A.B., Washington University, 1937; B.S., 1940; M.D., 1941.
- CHARLES ELLSWORTH LOCKHART *Assistant in Surgery*
A.B., Illinois College, 1938; M.D., Washington University, 1942.
- CHESTER A. MCAFEE² *Assistant in Surgery*
B.S., Washington State College, 1939; M.D., Washington University, 1942.
- *CHARLES BARBER MUELLER *Assistant in Surgery*
A.B., University of Illinois, 1938; M.D., Washington University, 1942.
- *D. ELLIOTT O'REILLY *Assistant in Surgery*
A.B., Harvard University, 1938; M.D., 1942.
- MORDANT EMORY PECK *Assistant in Surgery*
B.S., University of Michigan, 1937; M.D., Johns Hopkins University, 1941.
- *WILLIAM GEORGE REESE *Assistant in Neuropsychiatry*
B.S., University of Idaho, 1938; M.S., 1938; M.D., Washington University, 1942.
- DOROTHY REESE RITZMANN³ *Assistant in Anatomy*
A.B., Valparaiso University, 1940.
- FRED CARL SCHWEITZER¹ *Assistant in Pathology*
B.S., Drury College, 1937; M.D., Washington University, 1943.
- FRANZ ULRICH STEINBERG *Assistant in Clinical Medicine*
M.D., University of Berne (Switzerland), 1938.
- EDWIN WILTZ EDWARDS *Assistant in Pathology*
B.S., Millsaps College, 1939; M.D., Tulane University, 1943.
- CYRIL JOSEPH COSTELLO *Assistant in Surgery*
B.S., University of Texas, 1936; M.D., 1939.
- ANNA REUBENIA DUBACH *Research Assistant in Medicine*
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- JANE ARAX ERGANIAN¹ *Assistant in Pediatrics*
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- ROBERT WILLIAM GODWIN *Assistant in Otolaryngology*
A.B., University of California, 1937; M.D., 1941.
- CHARLES MASON HUGULEY, JR. *Assistant in Medicine*
A.B., Emory University, 1938; M.D., Washington University, 1942.

¹ July 1 to December 31, 1943.² Resigned, July 31, 1943.³ July 1 to September 15, 1943.

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A.B., Washington University, 1938.
- FRANCES RENKO KIMURA *Assistant in Bacteriology and Immunology*
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- WILLIAM GENE KLINGBERG⁵ *Assistant in Pathology*
A.B., Municipal University of Wichita, 1938; M.D., Washington University, 1943.
- SEYMOUR MAURICE MONAT *Assistant in Obstetrics and Gynecology*
A.B., University of Pennsylvania, 1935; M.D., Long Island College of Medicine, 1939.
- HOWARD EUGENE MCKNIGHT *Assistant in Obstetrics and Gynecology*
B.S., University of Dayton, 1938; M.D., University of Cincinnati, 1941.
- WILLIAM ISAIAH PARK *Assistant in Clinical Medicine*
M.D., St. Louis University, 1941.
- ROBERT M. RANKIN *Assistant in Surgery*
B.S., University of Washington, 1937; M.D., Johns Hopkins University, 1942.
- MARY GERTRUDE RITCHEY¹ *Assistant in Pathology*
M.D., University of Rochester, 1940.
- JOSEPH LEO RUBEL *Assistant in Pediatrics*
A.B., University of Alabama, 1938; M.D., Washington University, 1942.
- HOMER ALLEN SWEETMAN¹ *Assistant in Psychiatry*
B.S., University of Washington, 1938; M.D., Washington University, 1942.
- SAMUEL J. HAYWARD *Research Assistant in Obstetrics and Gynecology Pathology*
- FLORENCE MARY HEYS *Research Assistant in Pediatrics*
A.B., Washington University, 1924; M.S., 1926; Ph.D., 1930.
- FELIPE ALBERTO DE LA BALZE *Research Assistant in Medicine*
M.D., University of Buenos Aires, 1935.
- MARY RUTH SMITH *Research Assistant in Medicine*
B.A., Mississippi State College for Women, 1934; M.S., Johns Hopkins School of Hygiene and Public Health, 1940.
- LLEWELLYN SALE, JR. *Research Assistant in Medicine*
A.B., Yale College, 1936; M.D., Washington University, 1940.
- ROBERT SALOMON REISS *Research Assistant in Medicine*
M.D., Johns Hopkins University, 1941.
- SYLVIA BROADY² *Research Assistant in Pathology*
A.B., Washington University, 1941.
- ARTHUR ROBERT SONNENBERG² *Research Assistant in Medicine*
M.D., University of Kiel (Germany), 1922.
- JAMES LYNN MCCRORY³ *Assistant in Otolaryngology*
M.D., Baylor University, 1938.
- JEAN BOYLE DEHLINGER⁴ *Assistant in Pathology*
B.S., University of Washington, 1936; M.S., 1937; M.D., Washington University, 1943.

¹ Resigned, October 31, 1943.² Effective, August 1, 1943.³ Effective, September 1, 1943.⁴ October 1 to December 31, 1943.⁵ July 1 to September 30, 1943.

- FRANCIS ADRIAN SOOY¹ *Assistant in Otolaryngology*
A.B., University of California, 1937; M.D., 1941.
- JACK MEHL BURNETT² *Assistant in Pathology*
A.B., Kansas State Teachers College (Pittsburg), 1935; M.S., 1936; M.D.,
Johns Hopkins University, 1943.
- HUGH VINCENT ASHLEY, JR.² *Assistant in Surgery*
A.B., University of Missouri, 1939; M.D., Washington University, 1943.
- GRACE ELIZABETH BERGNER² *Assistant in Medicine*
A.B., Washington University, 1939; M.D., 1943.
- THOMAS WILLIAM BLACK² *Assistant in Otolaryngology*
A.B., Texas Christian University, 1937; M.D., Washington University, 1941.
- EUNICE ELIZABETH BRYAN² *Assistant in Pediatrics*
B.A., Western Reserve University, 1933; M.D., 1937.
- NORMAN RONALD CHAN-PONG² *Assistant in Clinical Ophthalmology*
M.B.Ch.B., University of Birmingham (England), 1935.
- RUTH SCHREIBER FREEDMAN² *Assistant in Ophthalmology*
A.B., Washington University, 1938; M.D., 1942.
- MERTIN D. HATCH² *Assistant in Surgery*
B.A., University of Washington, 1938; B.S., 1939; M.D., Harvard University,
1943.
- WALTER CRAFT HEROLD² *Assistant in Clinical Dermatology*
M.D., University of Colorado, 1938.
- R. LEONARD KEMLER² *Assistant in Surgery*
A.B., Yale University, 1939; M.D., 1943.
- HARRY JAMES LAWLER² *Assistant in Pediatrics*
B.S., University of Illinois, 1936; D.Sc., Johns Hopkins University, 1940; M.D.,
Washington University, 1943.
- GEORGE RICHARD MAGEE² *Assistant in Ophthalmology*
M.D., University of California, 1923.
- WILLIAM H. MASTERS² *Assistant in Obstetrics and Gynecology
and in Pathology*
B.S., Hamilton College, 1938; M.D., University of Rochester, 1943.
- ALLYN JAY McDOWELL² *Assistant in Surgery*
B.S., Drury College, 1939; M.D., Washington University, 1943.
- RICHARD THOMAS ODELL² *Assistant in Surgery*
A.B., Westminster College, 1935; B.S., University of Missouri, 1941; M.D.,
Washington University, 1943.
- JAMES LOUIS PETRY *Assistant in Surgery*
A.B., University of Missouri, 1940; B.S., 1941; M.D., Washington University,
1943.
- HELEN RELER² *Assistant in Clinical Dermatology*
A.B., Washington University, 1938; M.D., 1942.
- HOWARD C. SLAUGHTER² *Assistant in Clinical Ophthalmology*
M.D., University of Nebraska, 1940.
- RALPH OGILVY SMITH² *Assistant in Medicine*
B.S., University of Chicago, 1940; M.D., University of Chicago, 1943.
- FRANCES MARY SULLIVAN² *Assistant in Medicine*
A.B., University of Michigan, 1938; M.D., 1942.

¹ Effective, December 1, 1943.² Effective, January 1, 1944.

FELLOWS AND RESEARCH ASSISTANTS

LEOPOLD HOFSTATTER *Research Fellow in Neuropsychiatry*
M.D., University of Vienna, 1926.

*THOMAS HANNAHAN BURFORD *Fellow in Chest Surgery*
A.B., University of Missouri, 1931; B.S., 1933; M.D., Yale University, 1936.

*LAWRENCE MILTON SHEFTS *Fellow in Chest Surgery*
A.B., University of Oklahoma, 1930; M.D., Rush Medical College, 1934.

MARIO BESSO PIANETTO . . . *Pan-American Union Visiting Fellow in*
Chest Surgery
M.D., Litoral University (Argentina), 1937.

YING-KAI WU *Fellow in Chest Surgery*
M.D., Mukden Medical College (China), 1933.

ANIBAL ROBERTO VALE *Fellow in Chest Surgery*
M.D., National University of Buenos Aires, 1933.

AQUILES LENTINO¹ *Fellow in Chest Surgery*
M.D., University of Buenos Aires.

DAGOBERTO E. GONZALES *Visiting Fellow in Chest Surgery*
M.D., Loyola University, 1931.

ALVIN RIX *Fellow in Neurological Surgery*
A.B., East Texas State Teachers College, 1937; M.D., University of Texas,
1941.

¹ Resigned, August 7, 1943.

OFFICERS AND COMMITTEES OF THE FACULTY OF THE SCHOOL OF MEDICINE

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The General Faculty is composed of members of the staff holding appointment as Professor, Associate or Assistant Professor.

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¹ The Dean is ex officio a member of all standing committees.

² The Joint Medical Board represents a fusion of and replaces the separate Faculty Committees on the Barnes Hospital, the Children's Hospital, the Maternity Hospital, the McMillan Hospital, the Clinics and the Department of Social Service.

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MAUDE MCFARLAND HENNESSEY	<i>Assistant Librarian (School of Medicine)</i>
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JAMES JOHNSTONE RITTERSKAMP, JR., B.S., B.A., LL.B.	<i>Purchasing Agent and Manager, The University Stores</i>

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*OSCAR CARL ORMAN, LL.B., B.A. in L.S.	<i>Librarian</i>
STUART ALFRED QUEEN, Ph.D.	<i>Acting Librarian</i>
FRANK HENRY EWERHARDT, M.D.	<i>Director of Physical Education and University Health Service</i>
GEORGE MATTHEW PARK, M.D.	<i>Campus Physician</i>
*E. KENDALL HARRISON, A.B.	<i>Alumni Representative</i>
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FRANZ ALFRED BERGER, B.S., M.E.	<i>Supervising Engineer</i>
DONALD MORRISON	<i>Superintendent, Buildings and Grounds</i>

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MARION BARNARD, R.N.	<i>Admitting Officer</i>
FRANCES LIVINGSTON, R.N.	<i>Admitting Officer</i>

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	MRS. E. W. GROVE

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ADMINISTRATION

KITTIE MCKELVEY	<i>Superintendent</i>
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* In National Service.

McMILLAN HOSPITAL AND OSCAR JOHNSON INSTITUTE

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UNIVERSITY CLINICS

Outpatient Departments of the Barnes, the St. Louis Children's,
the St. Louis Maternity and the McMillan Hospitals

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JOHN V. LAWRENCE	<i>Director</i>

HISTORICAL STATEMENT THE SCHOOL OF MEDICINE¹

The first medical schools established west of the Mississippi River were organized as departments of the Roman Catholic St. Louis University and of the Protestant Episcopal Kemper College, in which departments courses of instruction were first offered in 1842 and 1840, respectively. From these origins there arose two independent schools, the St. Louis Medical College popularly known as "Pope's College," and the Missouri Medical College or "McDowell's College," which after successful operation as separate institutions for nearly fifty years were united in 1899 to form the Medical School of Washington University. Accounts of the history of these pioneer medical schools are to be found in the Centennial Volume of the St. Louis Medical Society and in the Medical Alumni Quarterly of Washington University.

The St. Louis Medical College first became affiliated with the University in 1891, when an association of the faculty known as the Medical Fund Society contributed funds for the erection and equipment of the building at 1806 Locust Street, which housed the laboratories and outpatient dispensary until 1914 when the school moved to its present site. The name of the St. Louis Medical College was retained until joined in 1899 by the Missouri Medical College, the union forming the present Medical School.

Union of the two schools under University auspices provided a larger faculty, more adequate laboratory, dispensary and hospital facilities. Additional equipment became available for teaching and investigation; the curriculum was lengthened and improved. The building of the Missouri Medical College on Jefferson Avenue was remodeled as a University Hospital, including a new maternity department; the Polyclinic Hospital became the University Dispensary. An affiliation was formed with the Martha Parsons Hospital for Children. A Training School for Nurses was established.

In 1910 an extensive reorganization and development of the school was undertaken under the inspired leadership of Robert Somers Brookings, President of the Corporation. With the aid of funds contributed by Mr. Brookings and other philanthropic citizens of St. Louis, and with full cooperation of the faculty of the school, new heads and staffs were appointed in all major departments, to devote themselves wholly to teaching and research. Associated clinical teachers were chosen from the medical profession of St. Louis. Affiliations were entered into with the trustees of the Barnes Hospital Bequest and with the St. Louis Children's Hospital, looking toward the erection of a new medical center that would provide in one closely coordinated plant superior facilities for the treatment of patients, for teaching of medical students and for experimental and clinical investigation in every branch of medical science.

¹ A brief historical statement of other departments of the University appears in the bulletin of the College of Liberal Arts.

An executive faculty was established, composed of the heads of departments, to plan the new organization of the school and to direct its conduct. During the planning and erection of the new laboratory and hospital buildings, the reorganized school continued to occupy the building on Locust Street and the University Hospital and Dispensary on Jefferson Avenue.

In 1914 the Medical School moved to the new site on Kingshighway. The Medical Center then comprised the Robert A. Barnes Hospital, the St. Louis Children's Hospital and the Medical School. The St. Louis Maternity Hospital became affiliated with the Medical Center and erected its present building in 1927. In 1931 the McMillan Eye, Ear, Nose and Throat Hospital, provided by the bequest of Mrs. Eliza McMillan, and the Oscar Johnson Institute, the gift of several donors, were erected by the University. The Edward Mallinckrodt Radiological Institute, the gift of Mr. Mallinckrodt and his son, was erected in 1931 and has since provided the X-ray services for the whole group.

THE MEDICAL SCHOOL BUILDINGS

The laboratories and lecture rooms of departments representing the medical sciences are housed in three medical school buildings, commonly referred to as the North, South and Clinic-Pathology Buildings. The North Building contains the Medical Library, the Administrative Offices, the main Auditorium, the laboratories of experimental Surgery and the departments of Anatomy and Histology.

The South Building houses the laboratories of Physiology, Pharmacology and Biological Chemistry. The Clinic-Pathology Building contains the University Clinics, teaching and research laboratories of the department of Internal Medicine and the departments of Bacteriology and of Pathology. The autopsy rooms, mortuary and amphitheater, serving the group of hospitals, occupy an annex to this building.

The Oscar Johnson Institute contains the laboratories of Ophthalmology and Laryngology and at present houses also research laboratories of Medicine, Neuropsychiatry and Biophysics.

THE HOSPITALS AND LABORATORIES OF THE MEDICAL CENTER

The affiliation of the Barnes Hospital, the St. Louis Children's Hospital, the St. Louis Maternity Hospital, the McMillan Eye, Ear, Nose and Throat Hospital and the Oscar Johnson Institute with the School of Medicine, and their location together on one plot of ground makes this group of institutions for teaching purposes integral parts of the School of Medicine. Each hospital contains class rooms and laboratories used by students and staffs.

By the terms of the affiliation the Faculty of the School constitutes the professional staffs of these Hospitals as well as of the University Clinics, an arrangement that makes for continuity of medical care and instruction in all divisions. The Clinics serve as outpatient departments

of the hospitals, and furnish instruction in the care of ambulatory patients.

In the Barnes Hospital there are 425 beds, of which number about one-half are in wards used for undergraduate teaching in medicine and surgery, with services also for gynecology, ophthalmology and otolaryngology. In the surgical pavilion of this hospital is performed also most of the operative surgery for the patients in the Children's Hospital. By a new arrangement, the Barnes Hospital conducts a central diagnostic laboratory, under direction of the Medical School Staff, which serves patients in all the Hospitals and the Clinics except for certain procedures carried out locally. The Barnes Hospital operates also a cafeteria for all staffs, nurses and students working in the Medical Center.

The Children's Hospital provides 200 beds and houses also the laboratories of the department of pediatrics. In the Country Department near Valley Park about sixty convalescent children are cared for.

The Maternity Hospital has quarters for 100 mothers and corresponding facilities for the new-born, the latter under the charge of the department of pediatrics. The Hospital provides also the headquarters and laboratories of the department of obstetrics.

The Mallinckrodt Radiological Institute, built adjacent to and connected on each floor with the Barnes Hospital, is owned by the University and is operated as a department of the Medical School. It provides excellent facilities for X-ray examination and therapy which are utilized by all of the affiliated Hospitals and affords exceptional opportunities for both undergraduate and graduate teaching. By a special endowment the staff of the Radiological Institute is enabled to carry on researches in both clinical and experimental subjects, independently and in collaboration with other departments. The staff includes residencies for the training of graduate physician radiologists. An important research activity of the Institute is operation of the Cyclotron, located on the campus of the University, and the study of biological and medical effects of radioactive isotopes and of the neutron beam.

The McMillan Hospital for Eye, Ear, Nose and Throat has been conducted until recently only for out-patients in the McMillan Clinics, located on two lower floors of the building; services for bed-patients have been provided in the Barnes and Children's Hospitals. During the past year, the unfinished floors of McMillan Hospital have been completed and equipped with the aid of a Government grant made for an expansion of hospital facilities in St. Louis. The hospital was opened on October 15, 1943 and is conducted for the University and the McMillan Board as a division of the Barnes Hospital. The completion of McMillan Hospital provides about 150 additional beds with appropriate treatment and operating rooms for the services of Ophthalmology and Otolaryngology and also a separate section for neuropsychiatric and medical patients requiring special forms of treatment. By liberating an equal number of beds in other institutions this development affords an increase of facilities

for all of the affiliated hospitals, with greater economy and efficiency.

The Oscar Johnson Institute, which occupies the five upper floors of the McMillan Hospital-Institute Building, is primarily the research and teaching laboratories for the departments of ophthalmology and otolaryngology. The Institute also houses research laboratories used temporarily by the departments of internal medicine, bio-physics, and neuropsychiatry.

The University Clinics, housed mainly in the Clinics-Pathology Building, functions as the united out-patient department for ward patients of all of the Hospitals of the Medical Center, and also as the headquarters for the application of preventive medicine to its large clientele. (Separate "doctors' offices" are provided in each Hospital for examination and treatment of ambulant private patients.) The number of patient-visits per day in all divisions of the Clinics is about 460. A large part of the clinical teaching with ambulant patients is carried out in the several divisions of the Clinics.

The St. Louis City Hospitals are also utilized for both undergraduate and graduate teaching. The Medical School nominates the staffs for one division of the City Hospital, of the Bliss Psychiatric Institute, and of the Homer Phillips Hospital. The Isolation Hospital (for contagious diseases) and the City Sanitarium (for mental diseases) are also used for study and teaching in these subjects.

Instruction is given also in the St. Louis Shriners' Hospital for Crippled Children and in the Jewish Hospital.

The number of patients available in these hospitals provides abundant and varied clinical material.

LIBRARY

The Library contains (October 1, 1943) 59,270 bound volumes and receives 627 medical periodicals, selected with reference to the needs of students and investigators. There are 771 complete sets of periodicals.

The Library has acquired by gift and by purchase a number of private collections on medical history and on the various branches of clinical medicine. Among these is the collection of manuscripts, letters and other valuable material of the pioneer American physiologist, William Beaumont. A special room, the Beaumont Room, has been set aside for the exhibition of this priceless collection of documents.

The Library is open week days from 8:30 a. m. to 10:00 p. m.

Other libraries in St. Louis containing literature relating to medicine are available to students.

LECTURESHIPS

The Mu Chapter of the Phi Beta Pi fraternity has established an annual lectureship in honor of Dr. Leo Loeb, Professor Emeritus of Pathology.

The Alumni of the School have established a Robert J. Terry Lectureship Fund "for the purpose of fostering greater appreciation of the study of human anatomy in relation to the teaching and practice of medicine."

ADMISSION

For the duration of the war emergency the normal time schedules of academic sessions are suspended. The requirements for admission have been modified to conform with the educational programs adopted by the Army and Navy. These changes are in accord with the recommendations of the Association of American Medical Colleges.

Since July 1942 when the accelerated program began, entering classes have been admitted at intervals of nine months. A class entered on January 3, 1944. The next class will enter on October 4, and another probably in July, 1945. Future dates for admission are subject to change if circumstances make it necessary.

The accelerated schedule provides forty-eight weeks of instruction in each calendar year, which cover the courses of one and a third academic sessions. The full medical curriculum of four class sessions is thereby completed in thirty-six months. Twelve additional weeks of instruction are included in the three year program, which allow the introduction of topics specially related to war medicine without reducing the content of basic courses.

ENTRANCE REQUIREMENTS

The qualifications normally required of an applicant for admission to the study of medicine in this School are of two sorts: suitable personal qualities as to character, attitude and interest; and evidence of intellectual ability and achievement, indicated by satisfactory performance of certain scholastic work. The wartime modification of these requirements consists only of a reduction of the extent of the scholastic preparation, and of consideration given to the younger age of the applicants.

The scholastic requirement is satisfied by completion of four semesters (at least sixty semester hours) of college courses which have provided good training in English and in the sciences basic to medicine, as outlined below. The ground to be covered in these subjects is no less than formerly demanded of applicants.

The college courses must have been taken in an approved college or university and completed with grades indicating both aptitude and satisfactory performance of the work. The college course must include:

- a. A knowledge of English such as is required by approved colleges. The need for facility in the accurate and discriminating use of English deserves emphasis.
- b. A knowledge of the principles of inorganic and organic chemistry. The laboratory work must include practice in the elements of volumetric analysis and in the simpler manipulations of organic chemistry.
- c. A knowledge of the principles of physics. The course should include laboratory work of quantitative character and be preceded or accompanied by appropriate instruction in mathematics.
- d. A knowledge of the principles of general biology, afforded by a course or courses with laboratory work.

Applicants are expected to have taken the Medical Aptitude Test or its equivalent.

Eighty per cent or more of the places in entering classes are now reserved for students selected from those who complete satisfactorily the pre-medical courses of the Army and Navy Specialized Training Program. The curricula of these programs comply with the requirements stated above. Members of Army or Navy premedical units are therefore eligible to become applicants and may indicate this School among the preferences allowed when the application forms are filled out. Information will be furnished on request from students in these groups or from their advisers, but applications for admission must be submitted through military channels. A member of the Admission Committee of the School participates in the selection of Army and Navy candidates accepted for the study of medicine, but the School cannot give acceptance to individuals.

A limited number of places in each entering class is reserved for civilian students. Applications from civilian students should be sent directly to the Medical School. In judging the qualifications of candidates in both groups preference is given to those with the highest rating based upon personal qualities as well as upon scholastic accomplishment.

In spite of restrictions that now limit so drastically the normal choice by the individual student of his college courses, it should nevertheless be brought to the attention of every student preparing for medicine as a career that a thoughtful planning of his free or elective time during his college education may greatly benefit his future success and satisfaction in life. Such students should be advised that in order to acquire later a grasp of the ever growing technical knowledge of modern medicine, in any of its branches, a thorough drill in the *principles* and *concepts* of physics, chemistry and biology is of great importance and deserves serious effort. These students should also be told that success in medicine demands more than a good technical training; for medicine embraces such a variety of community, social and inter-personal responsibilities as to make it perhaps equally essential that those entering this profession have a broad education combined with a live interest in human affairs.

During the college period, every pre-medical student should therefore seek stimulating contacts and choose elective courses that offer best promise of arousing his broad intellectual interests and of developing his cultural growth. The talents and tastes of the student and the excellence of the teachers, rather more than the subjects, are likely to determine the value of the courses chosen.

Within ten days after notification of acceptance, successful applicants are required to send to the Registrar a deposit of fifty dollars, to be applied toward the first payment of tuition. The deposit is not returnable. This deposit is not required of military students.

Application blanks will be furnished upon request. After supplying all information called for therein, the applicant should return the blanks and, in addition, should request his college to send directly to the Regis-

trar, complete official transcripts of high school and college credits. To aid in judging the fitness of an applicant, the student's science instructors should be requested by him to send personal letters to the Dean, giving estimates of the student's ability, character and personality.

Notice is sent to accepted applicants of the date of registration. Failure to register on the day designated may result in loss of place in the class unless the Registrar is notified in advance and postponement is allowed.

ADMISSION TO ADVANCED STANDING

Applications for advanced standing will be considered only insofar as there are vacancies in the classes. Applications should be filed early. Only students who have unconditional standing in the medical schools from which they seek to be accredited are considered for admission to advanced classes. Within ten days after notification of acceptance, successful applicants are required to send to the Registrar a deposit of fifty dollars, to be applied toward the first payment of tuition. The deposit is not returnable. This deposit payment will be waived for applicants on military status.

Applicants for advanced standing (1) must furnish evidence that the requirements for admission to the first year class have been fulfilled; (2) must have studied as a matriculated medical student in an acceptable medical school for a period of time at least equal to that already spent by the class to which he seeks admission; (3) must show that courses equivalent in kind and amount to those given in this School, in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (4) in doubtful cases may be required to pass an examination in any of the subjects for which credit is sought.

Only rarely are new students accepted for the fourth year class.

In addition to the credentials required for admission, applicants for advanced standing are required to furnish credentials from the medical school in which they have studied, enumerating all medical courses pursued, grades obtained, and stating the dates of their registration as matriculated medical students.

ADMISSION OF GRADUATES IN MEDICINE

Applicants who already hold the M.D. degree are rarely accepted as candidates for that degree, but may be admitted to the School on the following basis. (1) With the consent of heads of the departments concerned graduates may take individual work in one or more departments as special students. (2) A limited number of graduate physicians, or others who may be qualified, may be admitted to courses with the undergraduate classes subject to the consent of the instructors and the head of the department. Fees for special courses, individual instruction or material will be determined in each case by the Dean in conference with the head of the department in which the work is done. (3) Special post-graduate courses are offered in several departments concerning which full information will be given upon request. (See p. 79.) (4) Qualified

investigators may be accepted as volunteer research assistants upon the written recommendation of the head of the department.

STANDING AND PROMOTION

The following procedure for action on promotion and graduation has been adopted.

(1) After the completion of a major course each department reports to the dean's office the order-rank of each student in the class for that course, designating in each case "honors," "pass" or "fail." The rank and designation may be based upon attitude and performance as well as upon examination grades. Final examinations are held at the close of each academic year.

(2) For each class there is a Promotions Committee which periodically reviews the records of all students in that class and acts in accordance with the following rules.

(a) A student having recorded failures in two major subjects (see list below) will be required to withdraw from the class.

Major Subjects.

First Year: Anatomy, Histology and Neuroanatomy, Biochemistry.

Second Year: Physiology, Bacteriology, Pathology, Pharmacology, Medicine, Surgery ($\frac{1}{2}$).

Third Year: Medicine, Neuropsychiatry, Obstetrics and Gynecology, Surgery, Public Health ($\frac{1}{2}$).

Fourth Year: Medicine, Obstetrics and Gynecology, Pediatrics, Surgery, Ophthalmology ($\frac{1}{2}$), Otolaryngology ($\frac{1}{2}$).

(b) All students will be promoted to the next class who rank in the upper four-fifths of the class in at least 60% of the scheduled clock hours, provided there are no failures.

(c) All students who rank in the lower one-fifth of the class in more than 40% of the scheduled hours or who are in the lower one-fifth of the class in two major subjects, or who fail the third year objective examination (see below) shall be considered as having a condition for the year's work.

This condition may be removed by the appropriate committee on promotion upon the basis of: (1) The Student's record; in evaluating a student's record, the committee shall consider not only scholarship, but also social, economic and other personal factors. (2) A special comprehensive examination given under the direction of the subcommittee. A student who fails this examination shall be required to withdraw from his class.

(d) Students who at the end of any year have recorded only one failure in a major department will be required to remove this failure as directed by the department concerned. When, and if, the failure is removed, the subcommittee will consider the student's entire record under rules (b) and (c) above. A student who has recorded a second failure in the attempt to remove a first failure will be required to withdraw from his class.

(e) No student shall be promoted to the third year until there is

satisfactory credit for all required subjects of the first and second year.

(f) Under exceptional circumstances the promotion committees may suggest to the Dean and to the Committee on Admissions and Scholarships that a student be allowed to repeat certain courses as a special student or to repeat the work of the entire year as a member of the next class.

For the general guidance of the committee on promotion for the third year, all students are required to take a written comprehensive examination of the objective type, during the third year. This examination will test the student's ability to correlate the preclinical sciences with the clinical sciences as well as the subject matter of the third year. Examinations are held under the direction of the committee on promotion for the third year.

A student who fails the above examination will be considered under rule (c) of section 2 listed above.

The comprehensive examination does not replace departmental examinations. A student who, because of poor quality of work or conduct, is judged by a Committee as unqualified to continue the study of medicine, will be required to withdraw from the School.

The registration of a student may be canceled at any time if in the opinion of the faculty his further attendance is deemed undesirable. A pro rata refund of the tuition will be made in such cases.

REQUIREMENTS FOR DEGREES

DOCTOR OF MEDICINE

Candidates must be more than twenty-one years of age and of good moral character. They must have attended not less than four courses of instruction as matriculated medical students, the last of which has been in this School. They must have passed all required courses, or their equivalent, and have received satisfactory grades in the work of the entire four classes. They must have discharged all indebtedness to the School.

At the end of the fourth academic term, students who have fulfilled these requirements will be recommended for the degree of Doctor of Medicine. Candidates must be present when degrees are conferred.

BACHELOR OF SCIENCE IN MEDICAL SCIENCE

Students who enter the School of Medicine with a minimum of ninety semester hours of work may become candidates during the medical course for the degree of Bachelor of Science in Medical Science, provided the quality of work done in required courses is satisfactory. Acceptance as candidates for this degree is granted not earlier than after completion of the courses of the first year. Requirements for the degree are the satisfactory conduct of an investigation in one of the medical sciences and the preparation of an acceptable thesis, which must be presented to the head of the department concerned at least one month before the degree is to be awarded. Compliance with the requirements for this degree will not usually be attained before the end of the third or fourth academic year.

INTERN APPOINTMENTS

An internship in an approved hospital is regarded as necessary in preparation for the practice of medicine. The School does not assume responsibility for securing intern appointments for its graduates; but it does aid both students and hospitals in arranging for satisfactory selections. During the junior and senior years students confer with the Intern Advisers, concerning the character of the services offered by various hospitals and the selection of the hospital of his choice. The Intern Advisers also advise the hospitals concerning the qualifications of students who apply for appointment. Virtually every graduate of the School is placed in a suitable internship.

About half of the members of each class now secure appointments in hospitals of St. Louis.

PRIZES

GEORGE F. GILL PRIZES:

1. One prize of fifty dollars is awarded at the end of the first year to the member of the class who has made the highest grade in anatomical work.

2. One prize of fifty dollars is awarded to a member of the graduating class, of high general standing, who has done especially good work in the Department of Pediatrics.

ALPHA OMEGA ALPHA FRATERNITY PRIZE is awarded at the end of the fourth year to the member of that class who has made the highest average for the entire medical course.

ALPHA OMEGA ALPHA FRATERNITY PRIZE FOR STUDENT RESEARCH amounting to twenty-five dollars is awarded to the student who submits the best thesis on a research problem.

The ALEXANDER BERG PRIZE of one hundred dollars is awarded to a student of high general standing who presents the best results in research in bacteriology.

THE HOWARD A. MCCORDOCK BOOK PRIZE is awarded at the end of the second year to a member of that class for general excellence in pathology.

THE SIDNEY I. SCHWAB BOOK PRIZES are awarded at the end of the third year to members of that class for general excellence in neurology and psychiatry.

THE NU SIGMA NU AWARDS of twenty-five dollars each are awarded to the outstanding members of the first and second year classes.

FELLOWSHIPS AND SCHOLARSHIPS

The JACKSON JOHNSON FUND. Under the will of the late Mr. Jackson Johnson, the sum of \$250,000 was given to the University, the income to be used "to aid worthy and desirable students in acquiring and completing their medical education." During recent years, the income of this fund has been devoted to Honor Scholarships named for the donor as well as to fellowship and loan funds for needy students.

The number of Honor Scholarships awarded is now much reduced, but a few may be available for exceptionally able applicants.

The purpose of the Jackson Johnson Scholarships is to enable students of exceptional ability and performance, regardless of their financial resources, to enter upon training for careers in medicine and medical sciences. The awards are restricted to those judged to possess definitely superior talents and qualifications, and are made initially only to applicants accepted for the first year class in the School of Medicine. The award may be continued for each of the later years of the course provided the quality of the student's work justifies it.

The amount of the stipend is not fixed, being determined in each case by the need of the individual for financial aid. Award of a Jackson Johnson Scholarship is regarded as a mark of distinction, and carries certain privileges in the School. When made to students not in urgent need of financial aid, the award carries no stipend or only a nominal stipend. For those recipients whose resources are inadequate for tuition and living expenses, the stipends will be set at amounts that will permit maintenance during the academic year without outside employment for support. Holders of these scholarship are not permitted to engage in outside employment, except with the consent of the Dean. The object is to aid in providing favorable circumstances for the development of the student's talents. Employment having educational value in laboratories of the School, with or without compensation, is occasionally available to holders of scholarships as also to other students.

Emergency loans in limited amounts are available from the Jackson Johnson Fund for students in the upper three classes of the School, when needed to meet unexpected emergencies during the academic year. The loans are granted by the Chancellor on the recommendation of the Dean.

A FELLOWSHIP IN NEUROLOGICAL SURGERY with a stipend of \$1200 per year is awarded on recommendation of the Department of Surgery. Candidates must be graduates in medicine who will have completed an internship.

A MEMORIAL FELLOWSHIP with a stipend of \$500 may be awarded for one year to a graduate of the School, preferably a woman, for post-graduate study.

THE GEORGE F. GILL SCHOLARSHIP, instituted in memory of a former Clinical Professor of Pediatrics, entitles the holder to remission of the tuition fee to the amount of \$100.

THE ALUMNI SCHOLARSHIP AWARD of \$100 to be applied on the payment of the tuition fee is given for excellence in work during the preceding scholastic year on the recommendation of the Committee on Loans and Scholarships and the President of the Medical Alumni Association.

THE DR. JOHN B. SHAPLEIGH SCHOLARSHIP. From a bequest of the late Dr. John B. Shapleigh, supplemented by contributions by the late Mrs. Shapleigh and Miss Margaret Shapleigh, a fund has been established, the income of which is used to pay the tuition of students in need of assistance.

THE ELIZA MCMILLAN STUDENT AID FUND. The annual income from a bequest of the late Mrs. Eliza McMillan provides a scholarship of about \$200 for a deserving woman student in the School of Medicine.

THE T. GRISWOLD COMSTOCK SCHOLARSHIPS. Through the bequest of the late Mrs. Marilla E. Comstock, the annual income from \$12,000 is used for two scholarships for students who otherwise would be unable to obtain a medical education and who desire and intend to follow the practice of medicine and surgery.

THE JOSEPH H. ROBLEE SCHOLARSHIPS. Provided through the gift of Mrs. Roblee, the income from the Joseph H. Roblee Scholarship Endowment Fund of \$12,000 maintains two scholarships. They are awarded by the Chancellor to qualified, worthy and deserving students in any division of the University.

THE ROBERT ALLEN ROBLEE SCHOLARSHIPS. Through the gift of Mrs. Joseph H. Roblee, the income from the Robert Allen Roblee Scholarship Endowment Fund of \$15,000 provides one or more scholarships for qualified, worthy, and deserving students.

ANDREW RANKIN FLEMING AND SUSIE FLEMING FUND. Through the bequest of the late Mrs. Susie Fleming, \$150.00 from the income of this Fund is available annually for scholarships for worthy and needy students in the School of Medicine.

THE ALINE RIXMAN LOAN FUND. Provided through the gift of Mr. William Rixman the fund is used to alleviate unexpected financial emergencies that arise among medical students during the academic year. The fund is available to any student who in the judgment of the Dean gives promise of becoming a competent physician. It is expected that loans will be repaid within a reasonable time after the student has finished his training. The loans are granted by the Chancellor on the recommendation of the Dean.

THE W. MCKIM MARRIOTT SCHOLARSHIP AWARD, instituted in memory of the late Dr. W. McKim Marriott, Dean and Professor of Pediatrics, by the late Dr. C. V. Mosby for the C. V. Mosby Co. entitles the holder to an award of \$500 which provides tuition for the recipient in the School of Medicine. The scholarship is awarded annually preferably to a deserving young man who shows promise in the field of pediatrics. The award is made by the Chancellor on the recommendation of the Dean and the Professor of Pediatrics.

W. K. KELLOGG FOUNDATION SCHOLARSHIP AND LOAN FUND. A generous gift has been made to this and other universities by the W. K. Kellogg Foundation to provide financial assistance to well qualified medical students in need of such aid. A limited number of scholarships and loans are available from this fund.

STUDENT ASSISTANTSHIPS are available in a number of departments in the School. Information concerning these may be obtained from the heads of the departments concerned.

Applications for all fellowships, scholarships and assistantships may be made to the Dean. The awards are made by the Chancellor on the recommendation of the Dean.

REGISTRATION

Registration will be held quarterly during the war emergency. Registration will be held during 1944 on January 3, March 20, June 5 and October 5. The first registration in 1945 will be held on January 2.

Previously matriculated students who fail to register on any of the days set aside for that purpose will be charged a fee of \$3.00.

FEES AND EXPENSES

The University reserves the right to change the fees herein stated at any time without notice. Whenever a change is made, it will become effective with the next installment due.

All fees and charges are payable in advance at the office of the Treasurer in Robert S. Brookings Hall, or at the office of the Registrar of the School of Medicine. In general, no rebate of the tuition fee will be made for absence, whether such absence occurs at the beginning, middle, or end of the semester, except in cases of prolonged illness, certified to by a physician. In such cases a partial refund may be made, which will not exceed one-half of the unexpired balance of the tuition for the term.

Checks should be made payable to Washington University.

MATRICULATION FEE. A matriculation fee of \$5.00 is required of all students upon initial registration.

TUITION FEE. The tuition fee for undergraduate medical students has for some time been set at \$500 for the academic year of 33 weeks.

To comply with requirements of the Army and Navy educational programs for medicine, the schedule now covers 36 weeks for each class or 48 weeks of instruction in a calendar year. For this schedule, the tuition fee is \$750 for four quarters in each calendar year. Installments each of \$187.50 are payable at the beginning of each quarter.

LABORATORY FEES. To cover the cost of materials furnished and consumed, including breakage, a breakage deposit has formerly been required. This charge is now met by laboratory fees collected each term from the first and second classes: \$6.00 for the first year, \$12.00 for the second. Additional charges may be made to individual students to cover damage caused by carelessness to University property.

HEALTH SERVICE. A health service fee of \$10.50 per quarter is charged to all students. This fee covers complete medical examination on entering the School and continued medical care including all necessary hospital costs, drugs and limited dental service. The services of the physician to students are available at all times for consultation at the Student Health Clinic and for home calls when needed. Hospital care is provided in the services of the Barnes Hospital. It is the aim of the staff to watch and safeguard the health of every student in the School.

DIPLOMA FEE. The diploma fee for the degree of Doctor of Medicine is \$5.00 and for the degree of Bachelor of Science in Medical Science is \$3.00. These fees are payable before Commencement.

MICROSCOPE AND DIAGNOSTIC INSTRUMENTS

Each student entering the Freshman class is required to possess a standard microscope equipped with a substage light. These instruments are available for rental to students at a charge of \$17.00 per academic year. In addition a deposit of \$50.00 is required. All students are required to provide themselves with stethoscopes, ophthalmoscopes, otoscopes, hemocytometers, percussion hammers, tape measures, flashlights, head mirrors and skin pencils as the need for them arises.

Supplies and books may be purchased at the bookstore located in the Medical School.

Some of the required instruments, books and supplies are furnished to Army and Navy students by these services.

ESTIMATE OF EXPENSES

An estimate of the average annual expenses of a student in the School of Medicine, excluding the cost of clothes, laundry, microscope, and incidentals, is given below. The amounts will vary considerably, according to the individual.

Tuition	\$750.00
Laboratory Fees	0 or 12.00
Matriculation Fee (payable once)	5.00
Health Service Fee	42.00
Books and Instruments	\$75.00 to 150.00
Room and Board (from \$7.00 to \$15.00 a week)	364.00 to 780.00
<hr/>	
\$1236.00 to \$1739.00	

MEN'S DORMITORY OF THE SCHOOL OF MEDICINE

A dormitory building containing rooms for about fifty students is situated in close proximity to the School. A tennis court is located in the rear of the building. Each occupant must furnish his own sheets, pillow cases, counterpanes and blankets; otherwise the rooms are furnished.

The rental of a room is \$30.00 per quarter, payable in advance, at registration. Reservations are accepted only for the full academic year. Application for reservation should be made to the Registrar and must be accompanied by a reservation fee of \$10.00. This fee will be returned should the room not be assigned. If a room is assigned, the fee will be held by the University as a bond against possible damage to the room or furniture. Subject to such claim it will be refunded at the end of the academic year.

GENERAL PLAN OF INSTRUCTION

The course of study for candidates for the degree of Doctor of Medicine is designed to train qualified men and women for the practice of medicine or for specialized work in medical science. The curriculum, extending over four academic terms of thirty-six weeks each, is divided into two periods. The first period is devoted to the study of the basic medical sciences; the second consists of clinical work on the hospital wards and in the clinics for ambulatory patients.

The medical courses required of all students occupy from thirty to forty hours a week. As far as possible schedules are arranged so as to leave free several half days each week. Students who can profitably do so are encouraged to use their free time for additional work in the subjects of their greatest interest. In the senior year, eight weeks are set aside for elective courses or research in some field of particular interest.

Each academic term of thirty-six weeks is divided into three trimesters of eleven weeks each. A reading and examination period of three weeks comes at the end of the third trimester.

Under the caption of each department will be found information on the courses of instruction in the corresponding subjects.

First period. Ordinarily students will take courses in anatomy, biochemistry, physiology, bacteriology, medical psychology and vital statistics in the Freshman year. The study of physiology and bacteriology continues in the Sophomore year and to them are added pathology, pharmacology, and the introduction to surgery. During the latter part of this first period, the course in Conjoint Medicine, participated in by representatives of the several clinical departments, is intended to give the student a correlated introduction of clinical medicine.

Second period. The second period is devoted to clinical work in the fields of medicine, surgery, neuropsychiatry, obstetrics and gynecology, pediatrics and in the several medical and surgical specialties.

COURSES OF INSTRUCTION

CONJOINT MEDICINE

The several courses given by the clinical departments during the sophomore year have been placed under the supervision of a Committee on Conjoint Medicine in order that teaching might be coordinated effectively. Even though individual courses are listed in the catalogue under departmental headings, representatives of several departments participate in the presentation of material. For instance, physical diagnosis (see under Medicine) is taught jointly by the Departments of Medicine, Neuropsychiatry, Obstetrics and Gynecology, Ophthalmology, Otolaryngology and Pediatrics. Lectures in "Physiological Interpretation of Signs and Symptoms" are correlated, as far as possible, with the subject matter being considered in Physical Diagnosis and Clinical Chemistry and Microscopy. The number of hours allotted to each department in the conjoint courses is included in the listing of courses under the respective departmental headings. The following courses are included in this arrangement:

Medicine: Physical Diagnosis

Physiological Interpretation of Signs and Symptoms

Clinical Chemistry and Microscopy

Neuropsychiatry: Introductory Course on the Patient-Physician Relationship

Neurological Examination in Physical Diagnosis

Obstetrics and Gynecology: Introduction to Obstetrics

Ophthalmology: Introduction to Ophthalmology

Otolaryngology and Physical Diagnosis

Surgery: Introduction to Surgery

ANATOMY

PROFESSOR COWDRY.

PROFESSOR EMERITUS TERRY.

VISITING PROFESSOR STEWART.¹

ASSOCIATE PROFESSORS TROTTER, O'LEARY,* CHARLES.

VISITING ASSISTANT PROFESSOR CHOUKE.³

RESEARCH ASSOCIATES CRAMER, SIMPSON, SUNTZEFF.

INSTRUCTORS BARTLETT,* EVANS,* VAN DYKE, CARRUTHERS, LEYDIG, V. S.

LANIER, ROBINSON.¹

ASSISTANTS R. LANIER,* LANSING,* RITZMANN.²

The anatomical sciences are presented in three regular required courses (gross anatomy, histology and neurology). These are supplemented by special lectures and demonstrations by members of other departments. Facilities are provided for special work in gross anatomy, embryology, hematology, endocrinology and cytology. The Washington University Anatomical Collection, prepared during many years under the supervision of Dr. Terry, includes 1500 skeletons extensively documented and offers unsurpassed opportunities for research in physical anthropology. Once a week moving picture films loaned to the University by the Wistar Institute and other organizations are presented.

FIRST YEAR

10 (501 and 502). GROSS ANATOMY. Each student dissects one-half of the human body and is encouraged to learn as much as possible from the living subject. Extensive use is made of a wide variety of specimens displayed in the Anatomical Museum. Occasional attendance at autopsies is recommended. X-ray films are regularly examined and demonstrations on the living subject are made under the fluoroscope. Special attention is given to surface anatomy, the students using each other as subjects. Lectures are correlated with the dissection. 377 hours.

(Drs. Cowdry, Van Dyke, Carruthers, Suntzeff, Robinson)

11 (506). HISTOLOGY. A laboratory course occupying five mornings a week during the first trimester. Special attention is paid to the study of living tissues and to the correlation of gross and microscopic structure. There are two lectures a week and many informal discussions in the laboratories. 177 hours.

(Drs. Cowdry, Van Dyke, Carruthers, Suntzeff, Robinson)

12 (507). NEUROLOGY. A laboratory course in gross and microscopical anatomy of the nervous system occupying five mornings a week. Three weekly lectures are devoted to subjects not easily presented by work in the laboratory, 105 hours.

(Drs. Bishop,⁴ Van Dyke, Russell)

NOTE—The numbers in parentheses indicate that the course carries credit in the School of Graduate Studies and may be found under that number in the bulletin of that school.

¹ July 1 to December 31, 1943.

² July 1 to September 15, 1943.

³ January 1 to June 30, 1944.

⁴ Professor of Biophysics.

* In Military Service.

THIRD YEAR

30. *ANATOMICAL DEMONSTRATIONS.* This course provides a review of regions and structures at the time when students are entering upon their clinical work. Demonstrations two hours a week during the second trimester. 22 hours. (Drs. Charles, Leydig, Haffner, Large)

ELECTIVE COURSES

50. *Topographical Anatomy.* Laboratory study of topographical anatomy may be undertaken at any time during the year. Sections, museum preparations, and models are used as material. Hours to be arranged.

51. *Dissection.* A six-weeks' course in Anatomy is offered at any time excepting August and September for students and physicians desiring to review the subject. Any of the following parts may be elected for study: head and neck, thorax and upper limb, abdomen and pelvis, lower limb. A fee will be charged for the course.

52. *Advanced Work in Gross Anatomy, Histology, Cytology, Embryology, Neurology and Physical Anthropology.* A study of the literature on certain selected problems accompanied by individual laboratory work. Hours to be arranged.

53. *Research.* Properly qualified individuals are encouraged to carry on research in the anatomical sciences. (See Bulletin of The School of Graduate Studies.)

BIOLOGICAL CHEMISTRY

PROFESSOR SHAFFER.

PROFESSOR C. F. CORI.

ASSOCIATE PROFESSOR GERTY T. CORI.

ASSISTANT PROFESSORS ETHEL RONZONI BISHOP, GREEN, TAYLOR.

INSTRUCTORS FREIBERG, PREISLER,* COLOWICK.

FIRST YEAR

10 (503). *BIOLOGICAL CHEMISTRY.* Lectures, recitations, conferences and laboratory work covering those portions of the subject which are of especial importance to the student of medicine. 264 hours.

(Drs. Shaffer, C. F. Cori, Ronzoni Bishop, Green, Taylor)

ELECTIVE COURSES

50 (504). *Advanced Work.* Courses of laboratory work and selected reading, under guidance of a member of the staff, will be arranged to suit individual needs.

51 (515). *Research.* The facilities of the department are available to students qualified to undertake investigation.

52 (516). *Journal Club.* Conducted jointly by the Departments of Physiology, Pharmacology, and Biological Chemistry. Open to students who have credit in physiology or biological chemistry. Once a week throughout the year.

* In Military Service.

PHYSIOLOGY

PROFESSOR ERLANGER.

ASSOCIATE PROFESSORS H. LESTER WHITE,* GILSON, STEINBACH.¹

ASSISTANT PROFESSORS PEUGNET,* EDGAR A. BLAIR.*

INSTRUCTORS SCHOEPFLE, WALKER.

FIRST AND SECOND YEARS

10 and 20 (502 and 503). PHYSIOLOGY. Lectures covering systematically the field of human physiology with experience in the laboratory, designed primarily to meet the needs of medical students. The laboratory experiments are selected with the double object of supplying a basis for the understanding of the more important physical methods employed in physiology and in clinical medicine and elucidating certain fundamental physiological principles. As far as practicable the student serves as the subject in these experiments. Open to students who have completed or have begun the study of anatomy and biological chemistry.

(a) Lectures and recitations. Third trimester of the first year and first trimester of the second year. 116 hours.

(b) Laboratory. Second trimester of the second years. 150 hours.

(Drs. Erlanger, Gilson, Steinbach, Schoepfle, Walker)

ELECTIVE COURSES

50 (504). *Demonstration Methods*. This course is designed primarily for students preparing to teach physiology, and who may desire a wider experience in experimental physiology than can be gained in Course 2. It consists mainly of experiments demonstrated in Course 2. The time and the amount of work are not limited, except that assistance must be arranged for by definite engagements.

51 (590). *Research*. The facilities of the laboratory will be offered to qualified students for the investigation of their own problems or of problems which the department is prepared to suggest.

BACTERIOLOGY AND IMMUNOLOGY

PROFESSOR BRONFENBRENNER.

ASSISTANT PROFESSORS VARNEY, HERSHEY, MORRIS,² TSUCHIYA.

RESEARCH ASSOCIATE WEICHSELBAUM.*

ASSISTANTS KALMANSON,* LEIDLER, KIMURA.

In addition to instruction of medical students, the department offers graduate training to a limited number of students who have previously received their basic training in bacteriology elsewhere.

SECOND YEAR

20 (531). BACTERIOLOGY. Lectures and Laboratory. A brief survey of General Bacteriology with a view of acquainting the students with the role of bacteria in the economy of nature and with methods of pure culture study. Special emphasis is placed on such aspects in the mutual

¹ From the Department of Zoology.

² Resigned, August 31, 1943.

* In Military Service.

relation between the bacteria and their environment which would bring out those basic characteristics of metabolic requirements and activities of bacteria which on the one hand may serve to identify the individual species and on the other to explain some of the effects of bacterial invasion. After a brief consideration of the mechanisms governing the mutually limiting relation of the resistance of the host and the invasiveness of the parasite, a number of more important communicable diseases, caused by viruses, bacteria, fungi, protozoa and metazoa, are studied individually with respect to epidemiology, means of laboratory diagnosis, specific therapy and prophylaxis, and general measures of control. Fifteen hours a week during four weeks in the last trimester of the first year and seven weeks in the first trimester of the second year. 165 hours.

(Drs. Bronfenbrenner, Hershey, Tsuchiya, Varney)

21 (532). INFECTION AND IMMUNITY. Consideration of the theories concerning the mechanism of immunologic reactions, both those occurring in vivo as well as those utilized for serologic procedures of diagnosis in vitro. Antigens, specific prophylaxis. Antibodies, their nature, significance in resistance to infection and as indices of past exposure. Serum therapy. Hypersensitiveness. Two lectures and six hours of laboratory work each week during the first trimester. 44 hours.

(Drs. Bronfenbrenner, Hershey, Tsuchiya, Varney)

22. PARASITOLOGY. The course is designed to present a brief discussion of protozoan and metazoan parasites of medical importance, as well as of arthropods which transmit human diseases. Emphasis to be placed on the medical phases of the subject including epidemiology, symptomatology, diagnosis, treatment and control, in addition to life cycles of these parasites. This is supplemented by demonstrations and laboratory exercises for their identification. Ten lectures and ten two-hour laboratory periods weekly during third trimester.

(Drs. Tsuchiya, Russell,¹ Miss Kimura)

ELECTIVE COURSE

50 (590). *Research*. The facilities of the laboratory are open to those properly qualified for research in Bacteriology and Immunology.

(Dr. Bronfenbrenner and Staff)

¹ From the Department of Pathology.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

PROFESSOR OF PUBLIC HEALTH ADMINISTRATION EDWARD G. MCGAVRAN
ACTING HEAD OF THE DEPARTMENT.

ASSISTANT PROFESSOR OF PREVENTIVE MEDICINE AND PEDIATRICS
PHYSICIAN-IN-CHARGE, STUDENT HEALTH.

	MALCOLM M. COOK
ASSISTANT PROFESSOR OF PARASITOLOGY	HIROMU TSUCHIYA
ASSISTANT PROFESSOR OF PEDIATRICS	RUSSELL BLATTNER
ASSISTANT PROFESSOR OF PATHOLOGY	WILLIAM O. RUSSELL
INSTRUCTOR IN PSYCHIATRY	GEORGE SASLOW
INSTRUCTOR IN PUBLIC HEALTH	LEONARD M. BOARD
INSTRUCTOR IN PUBLIC HEALTH NURSING	ROSEMARY PHILLIPS
LECTURER IN PUBLIC HEALTH ADMINISTRATION . . .	JOSEPH F. BREDECK
LECTURER IN PUBLIC HEALTH DIAGNOSTIC METHODS .	JOSEPH C. WILLETT
LECTURER IN PUBLIC HEALTH	JOHN BUXELL
LECTURER IN PUBLIC HEALTH	ALLEN O. GRUEBBEL

Instruction in topics concerned with protection of health and prevention of disease and disability, formerly conducted under the direction of the department of bacteriology, has been somewhat extended during the past year by the creation of a separate department of public health and preventive medicine. Courses are now given for first, second and third year classes in the undergraduate medical curriculum. Lectures and conferences during one trimester of the first year treat the subject of (a) bio statistics and (b) personal hygiene; and in the second year, the principles of epidemiology, environmental sanitation, industrial hygiene and vital statistics.

By arrangement with the Health Department of St. Louis County, the splendid facilities of its Health Center Clinics are utilized for practical work and field experience under direction of the Staff, scheduled during two trimesters of the third year.

The Student Health Service has been reorganized as a responsibility of this department to cover a more complete program of preventive medicine as well as of clinic and hospital care for illness. The relation of each student with the Health Service affords a continued example of the practice of preventive measures and engenders a personal interest in the point of view.

The aim is to provide for all medical students, as a part of their basic preparation, more adequate emphasis upon those factors most affecting the preservation of the health of individuals in families and groups, as a growing concern and responsibility of every physician.

FIRST YEAR

10. First trimester. Eleven lectures: (a) bio statistics, (b) personal hygiene.
(Drs. Jacobsen, Cook, McGavran)

SECOND YEAR

20. One trimester, eleven lectures: Epidemiology and Environmental Sanitation; water, milk, food supplies and disposal of human waste.
(Dr. McGavran, Mr. Board)

THIRD YEAR

30. (535) Two trimesters, forty-four lectures; (a) public health administration programs; maternal, infant, preschool hygiene, industrial hygiene, dental hygiene, mental hygiene, economic and administration aspects. (b) preventive medicine, tropical diseases and control measures applicable to military and civilian conditions.

(Drs. McGavran, Tsuchiya and Lecturers)

In addition to this lecture course, either (a) a term paper covering a study of the literature upon an approved subject of public health significance, or (b) field experience in public health is required. Field experience involves (1) excursions to certain important industries and institutions and (2) weekly rotating field trips for one afternoon a week for one trimester. These trips are organized by the County Health Department staff.

(Dr. McGavran, Mr. Board, Miss Phillips, and field staff of St. Louis County Health Department)

PATHOLOGY

EDWARD MALLINCKRODT PROFESSOR ROBERT A. MOORE.
PROFESSOR EMERITUS LOEB.

ASSOCIATE PROFESSORS MARGARET G. SMITH, GRAY.

ASSISTANT PROFESSORS ACKERMAN, SAXTON, WHEELER,¹ RUSSELL.
ASSOCIATE ROBINSON.

RESEARCH ASSOCIATE MARY L. MILLER.*

INSTRUCTORS HENRY ALLEN,* HELWIG,* EDWARD SMITH,* COOPER, BARNFIELD, GOODOF,² BREYFOGLE, STOWELL, AUERBACH.⁴

LECTURER EMERITUS POTE.

ASSISTANTS AGRESS,* W. G. BROWN,* STAHL,* BEAMER,² ANSCHUETZ,* NEAVLES,* RUSSI,* CALLAHAN, SCHWEITZER,² FIRMINGER,² EDWARDS, DEHLINGER,² RITCHEY,³ LEIDLER, MASTERS.⁴

RESEARCH ASSISTANT BROADY.⁵

Pathology is taught during the second, third, and fourth years. In the second year there is the course in General and Special Pathology, and in the third and fourth years the students attend the Clinical and Pathological Conferences conducted in collaboration with the Clinical Departments. The elective clerkship may be taken during the summer or during the school year. Graduate credit is given for all courses in the Department except number 30 and 40, Clinical and Pathological Conference, number 55, Clerkship in Pathology at Washington University and number 56, Minor Research.

Properly qualified medical students will be admitted to any of the courses for credit. Pathology 20 is a prerequisite for all other courses.

SECOND YEAR

20 (501). PATHOLOGY. General and special pathology is covered by lectures, gross and microscopic demonstrations and laboratory work. In general pathology, degenerations, inflammations, infectious diseases and tumors are considered. The diseases of each organ system are studied during the time devoted to special pathology. Small groups are given instruction in post-mortem technique, and in gross pathology. 308 hours.

(Drs. Moore, M. G. Smith, Gray, Saxton, Russell, Stowell, and Staff)

THIRD AND FOURTH YEARS

30 and 40. CLINICAL AND PATHOLOGICAL CONFERENCE. The clinical history and treatment of patients who have died are discussed before the class by the physicians and surgeons of the departments concerned. These conferences afford the students an opportunity to interpret the clinical observations in the light of the post-mortem findings. One hour a week during the third and fourth years.

(Drs. Moore, Margaret Smith, Russell, and Saxton)

¹ Resigned, December 31, 1943.

² July 1 to December 31, 1943.

³ Resigned, October 31, 1943.

⁴ Effective, January 1, 1944.

⁵ Effective, August 1, 1943.

* In Military Service.

ELECTIVE COURSES

50 (502). *Major Research*. The laboratory offers facilities for research in pathology. Specialists and students with adequate training who desire to extend their knowledge of pathology will be admitted.

(Drs. Moore, Margaret Smith, Russell, and Saxton)

51 (595). *Journal Club*. The current journals concerned with morphological and experimental pathology and oncology are reviewed by the members of the staff. Properly prepared students may attend or participate. Once a week throughout the year.

52 (596). *Seminar in Gross Pathology*. The autopsies for the affiliated hospitals are performed by the junior members of the staff. On one afternoon a week the entire Department meets, and the cases are evaluated by the senior staff.

(Drs. Moore, Margaret Smith)

53 (597). *Seminar in Microscopic Pathology*. The microscopic sections from each autopsy are presented by the prosector at a conference held once a week. Pertinent articles from the current literature are presented and discussed as they apply to the cases under consideration.

(Drs. Moore, Margaret Smith)

54 (598). *Seminar in Theoretical and Experimental Pathology*. Topics in General Pathology are selected and assigned to members of the junior staff and to qualified students for review. Once a week. (Dr. Moore)

55. *Clerkship in Pathology at Washington University*. Not to exceed six students at one time may serve as clerks in the Department of Pathology. The students will assist at autopsies and prepare reports for presentation at a seminar once a week. These students will also attend the regular departmental conferences and journal club. Full time for four, six or eight weeks. All quarters.

(Drs. Moore, M. G. Smith, Saxton, Russell, Stowell and Staff)

56. *Minor Research*. Those students who during a preceding summer or school year have initiated a research problem in Pathology may continue the work during the elective quarter of the fourth year. Full time for eight weeks. All quarters.

(Drs. Moore, Margaret Smith)

THE EDWARD MALLINCKRODT DEPARTMENT OF
PHARMACOLOGY

PROFESSOR CARL F. CORI.

ASSOCIATE PROFESSOR HELEN TREDWAY GRAHAM, GERTY T. CORI.

RESEARCH ASSOCIATE GREEN.

INSTRUCTOR HUNTER, COLOWICK.

The course in Pharmacology is designed to acquaint the students with the reactions of the body to drugs in health and disease.

SECOND YEAR

20 (501 and 502). PHARMACOLOGY. (a) Lectures, recitations and demonstrations covering the general field of pharmacology, including toxicology, chemotherapy and prescription writing. 55 hours.

(b) LABORATORY COURSE. A course arranged to demonstrate the chemical properties and pharmacological action of the more important drugs, and at the same time to familiarize the student with methods and processes used in experimental pharmacology. 88 hours.

(a) or (b) may be taken alone by special students. Prerequisite, anatomy, biological chemistry and physiology.

(Drs. Cori, Graham)

ELECTIVE COURSES

50 (580) *Advanced Work*. This is arranged to suit individual needs. Opportunity is offered for the extensive study of any special group of drugs desired. In addition students may elect work in toxicology. Hours and details of the work to be arranged.

51 (590). *Research*. The facilities of the laboratory are available to those who wish to carry on original investigation, on problems of their own or on those the department is prepared to suggest.

52. *Journal Club*. Conducted jointly by the Departments of Physiology, Biological Chemistry and Pharmacology. A discussion of papers appearing in the current journals. Open to students who have credit in physiology or biological chemistry. Once a week throughout the year.

THE JOHN T. MILLIKEN DEPARTMENT OF MEDICINE

(The Department of Medicine includes Internal Medicine and Dermatology)

BUSCH PROFESSOR W. B. WOOD, JR.

PROFESSOR EMERITUS ALBERT E. TAUSSIG.⁴

PROFESSOR ALEXANDER.

ASSOCIATE PROFESSORS ELMER, OLMSTEAD, LUTEN, LARIMORE, C. V. MOORE.

ASSISTANT PROFESSORS EMERITUS BAUMGARTEN, L. H. HEMPELMANN.

ASSISTANT PROFESSORS BULGER, LAWRENCE, THOMPSON, KOUNTZ, JENSEN, MACBRYDE, KETTELKAMP, MYERS,* CADY,* BARRETT TAUSSIG, SALE, FISCHER, STRAUSS, GRANT, ALFRED GOLDMAN, HAGEMAN,* JOHN R. SMITH, HARFORD.

RESEARCH ASSOCIATE MCLEOD.

INSTRUCTORS JEROME E. COOK, GORHAM, EYERMANN, LIGGETT, DUDEN, BREDECK, DAY, RUSK,* STROUD, AITKEN, JEAN, BROMBERG,* GOTTLIEB,* KENAMORE,* SEIBEL,* KAHN,³ MASSIE, EDWARDS,* MURPHY, KEITH WILSON, HOLDEN,* SEDDON,* KOENIG, ELLIOTT,* WADE, WILLIAMS, POLLOCK,* GLAZE, ROSENFELD, CANNADY, SKILLING, SCHEFF, HORNER, REINHARD, KARL,* BROOKS, WIESE,¹ MAXWELL, ELSON.²

ASSISTANTS ABEL, BECKE, GLASSBERG, MEHRTEEN, M. SMITH,* LEE B. HARRISON, CECIL M. CHARLES, MANSBACHER, BEAM,* BIERBAUM, AGRESS,* ARROWSMITH,* KELLEY,* BEN CHARLES,* DRAKE,* BLANEY,* DOUBLY, ROBERTS, WEDIG, STANLEY F. HAMPTON,* FLEISHMAN,* B. WHITE,* FREEDMAN,* KIRCHER,* WRIGHT,* KIRSTEIN,* HENRY ALLEN,* KALLENBACH,* CROUCH,* R. J. COOK,* STANBRO,* DARROW,* MACFARLANE, FLEMING, BUCK,* SOBIN, GOETSCH, GILLILAND, SAM MARTIN, STEINBERG, HUGULEY, PARK, BERGNER,² R. O. SMITH,² SULLIVAN.²

RESEARCH ASSISTANTS MINNICH, JOHNSON, DUBACH, MARY R. SMITH, SALE, JR., DE LA BALZE, REISS, SONNENBERG.

Instruction in medicine commences with the second trimester of the second year and continues throughout the third and fourth years of the curriculum. The teaching of the second year has two main objectives—first, the correlation of the basic sciences with the clinical aspects of disease, and secondly, training in the technical methods of physical diagnosis and clinical microscopy. By the beginning of the third year the student is prepared for supervised clinical study of individual patients in the wards. The emphasis in the junior years is placed upon clinical diagnosis. In the final year each student acts for one month as clinical clerk in the general medical, dermatological, and venereal disease clinics, and for one month in the wards of Barnes Hospital or the Jewish Hospital. During his senior clinical clerkship the student receives formal instruction in medical therapeutics.

SECOND YEAR

20. ELEMENTARY MEDICINE.

(a) Physiological Interpretation of Signs and Symptoms. Observation and interpretation of the symptoms and signs of disease, with special

* In Military Service.

¹ Effective, August 1, 1943.

² Effective, January 1, 1944.

³ Resigned, December 20, 1943.

⁴ Died, January 16, 1944.

reference to pathological anatomy and physiology. Part of Conjoint Medicine. (See page 51.) 20 hours.

(Drs. Wood, Duden, Harford, MacBryde, Massie,
C. V. Moore, Reinhard, J. Smith, R. Williams.)

(b) Physical Diagnosis. Lectures, demonstrations and practical exercises in the technique of physical diagnosis. Part of Conjoint Medicine. (See page 51.) 77 hours.

(Drs. Reinhard, Bulger, Cannady, C. Charles, de La Balze, Harrison,
Jean, Roberts, J. Smith, Stroud, B. Taussig, Wade, Wilson.)

(c) Clinical Chemistry and Microscopy. Lectures and laboratory course in methods of microscopic and chemical diagnosis. Part of Conjoint Medicine. (See page 51.) 99 hours.

(Drs. Carl Moore, Reinhard, Goetsch, Miss Bierbaum)

THIRD YEAR

30. GENERAL MEDICINE.

(a) Supervised Study of Patients in Wards of St. Louis City Hospital. Each student is assigned two cases a week for complete study and written reports. The work is supervised by preceptors, each of whom is responsible for one-fourth of the group. Teaching exercises include ward rounds, clinics and afternoon work in the wards and laboratories. 13½ hours a week for one trimester. 148½ hours.

(Drs. Barrett Taussig, Wade, J. Smith and K. Wilson)

(b) Systematic Study of Infectious Diseases. Ward rounds and clinics presenting a survey of the more common infectious diseases are held once a week at the St. Louis City Isolation Hospital. The clinical, bacteriological, and epidemiological features of each disease are discussed with particular emphasis upon their relation to prevention and the special problems of War Medicine. 2 hours a week for one trimester. 22 hours.

(Dr. Harford)

(c) Laboratory Diagnosis. Cases selected to illustrate the importance of laboratory diagnostic methods are presented to the students each week during their medical trimester. A specimen of blood, urine, stool, sputum, pleural or peritoneal fluid from the patient is given to each student who is required to reach a final diagnosis on the basis of the clinical history and his own laboratory findings. The correct laboratory data and the final diagnosis are presented at the end of the period. Two hours each week for one trimester. 22 hours. (Drs. C. Moore and Reinhard)

31. MEDICAL CLINICS. Clinics and demonstrations intended to present systematically the more important subjects in clinical medicine. Two hours each week during the first and second trimesters. Three hours each week during the third trimester. 77 hours.

(Drs. Duden, Goldman, Harford, MacBryde, Massie,
C. Moore, Olmsted, J. Smith, Williams, Wilson)

32. CLINIC IN SYPHILOLOGY AND DERMATOLOGY. Systematic survey of the more common problems of syphilology and dermatology. Two hours a week during the third trimester. 18 hours.

(Drs. Weiss, M. Cook, Conrad, Engman, Jr., Lane, J. Smith)

33. CLINICAL PATHOLOGICAL CONFERENCE. 33 hours. (See under Fourth Year—Medicine 42.)

34. MEDICAL CLINICS. 33 hours. (See under Fourth Year—Medicine 41.)

FOURTH YEAR

40. MEDICINE.

(a) Clinical Clerkship in Hospital Wards. For four weeks the entire day is spent in the wards of Barnes Hospital or the Jewish Hospital, with the exception of two hours a week at the Isolation Hospital. Patients are assigned for complete study and are followed throughout their stay in the hospital. Cases are presented by the student before the attending physician at ward rounds on the General Medical Wards three times a week and on the Metabolism Ward once a week. Problems relating to the diagnosis and treatment of contagious diseases are discussed on ward rounds held weekly at the St. Louis Isolation Hospital. 120 hours.

(Drs. Wood, Duden, Grant, Harford, MacBryde, Massie,
C. Moore, Reinhard, Sale, Williams)

(b) Clinical Clerkship in Washington University Clinics. Students act as clinic physicians for four weeks under the supervision of consultants in the following outpatient clinics:

Morning

Medicine A Clinic (General Medicine)

(Drs. Goldman, Goetsch, Aitken, Eyermann, Koenig,
Kountz, Massie, Scheff, Thompson, Wiese)

Medicine B Clinic (General Medicine)

(Drs. Strauss, Brooks, Cannady, Duden, Elson,
Fischel, Grant, Jensen, Luten, Skilling)

Afternoon

Dermatology Clinic*

(Dr. Weiss and Staff)

Syphilis Clinic

(Drs. J. Smith, M. Cook, Lawrence, Reller, Roberts,
Sale, Jr., Wilson)
106 hours.

(c) Medical Therapeutics. The medical treatment of the more common diseases is discussed systematically and in considerable detail. Two hours each week during the medical quarter. 16 hours.

(Medical Resident and Staff)

41. MEDICAL CLINICS. Cases which have been studied by students working in the wards of the Barnes Hospital are presented before the third and fourth year classes to illustrate medical problems of particular interest. One hour each week throughout the year. 33 hours.

(Drs. Wood, Alexander, Sale, Carl Moore)

* Held at the Barnard Skin and Cancer Hospital.

42. **CLINICAL PATHOLOGICAL CONFERENCES.** Abstracts of the clinical records of patients upon whom post mortem examinations have been performed are presented in advance to members of the third and fourth year classes and to members of the medical staff. Cases are selected to illustrate diagnostic problems, and special cases are included from outside sources to emphasize the more important Tropical Diseases not seen in this locality. At each conference the diagnosis is discussed in detail by the clinical staff before the anatomical findings are presented by the pathologists. 33 hours.

(Drs. Wood, Alexander, C. Moore, Robert Moore and staff)

ELECTIVE COURSES

50. *Koch Hospital.* Four students—All day for four weeks. Individual training in the clinical examination of patients suffering from thoracic disease. Assignment of selected cases. Discussion and demonstration of therapeutic procedures. Attendance at staff conferences and Clinical Pathological Conference at Koch Hospital.

(Drs. Kettelkamp, Murphy)

51. *Metabolism Ward.* Two students—All day for four or eight weeks. Rounds and assignment of selected cases in metabolism ward. Attendance at Diabetic and Endocrine Clinics in Washington University Clinics and at City Hospital. Special training in special diagnostic tests applicable to the study of metabolic and endocrine diseases.

(Dr. MacBryde)

52. *Clinical Bacteriology and Immunology.* Two students—Mornings only for four weeks. Experience and training in immunological and bacteriological technique as applied to clinical medicine.

(Drs. Harford, Miss Mehrten, Mrs. Doubly)

53. *Blood Chemistry.* Two students—Mornings only for four weeks. Experience and training in the conduct of special chemical procedures used in the study of clinical medicine.

(Dr. Bulger)

54. *Homer Phillips Hospital.* Four students—All day for four or eight weeks. Attendance at ward rounds and conferences. Students will be given an opportunity to study selected patients admitted to the medical wards.

(Dr. Bulger and Staff)

55. *Special Medical Clinics.* Four students—Afternoons only for eight weeks. Gastrointestinal Clinic on Monday, Allergy Clinic on Tuesday, Arthritis Clinic on Wednesday, Endocrine Clinic on Thursday. Friday afternoon will be kept free for library assignments, etc.

(Drs. Scheff, Eyermann, Rosenfeld, Bulger, and Staffs)

56. *Cardiology.* Two students. Mornings and afternoons for four weeks. The course will include the study of cardiac patients on the wards of the St. Louis City Hospital, in the St. Louis City Outpatient Department, in the Station Hospital at Jefferson Barracks, in the St. Louis County Hospital, and in the Obstetrical Clinic of the Washington University Outpatient Department.

(Dr. Jensen)

DERMATOLOGY

PROFESSOR EMERITUS MARTIN F. ENGMAN.

ASSOCIATE PROFESSOR WEISS, ACTING HEAD OF DEPARTMENT.

ASSISTANT PROFESSOR A. H. CONRAD.

INSTRUCTORS COLEMAN, LANE, MARTIN F. ENGMAN, JR., MANTING.

ASSISTANTS ESKELES, BAGBY,* MARCUS,* A. H. CONRAD, JR.,* HEROLD,¹ RELLER.¹

MYCOLOGIST MORRIS MOORE.

FOURTH YEAR

40. DERMATOLOGY. A lecture course on diseases of the skin and on syphilis. This course is a general survey of the etiology, symptomatology, pathology, and treatment of skin diseases and the history and pathology of syphilis. 12 hours.
(Dr. Weiss and Staff)

41. Clinical examination of numerous dermatological cases with opportunity for instruction in their diagnosis, pathology and treatment. Examination of biopsy specimens. Demonstration of the use of various physical agents such as electro-coagulation, X-ray and radium in the treatment of malignant and non-malignant skin affections.

Tuesdays—1:30 to 4:30 p. m.—The Barnard Free Skin and Cancer Hospital.

Wednesdays—2:00 to 4:00 p. m.—The Barnard Free Skin and Cancer Hospital.
(Dr. Weiss and Staff)

ELECTIVE COURSE

50. Clinical demonstrations and examination of dermatological conditions. Methods of therapy.

Mondays—2:00 to 4:00 p. m.—Skin Clinic, Washington University Clinics.
(Dr. Weiss and Staff)

NEUROPSYCHIATRY

PROFESSOR EDWIN F. GILDEA.

PROFESSOR EMERITUS SCHWAB.

PROFESSORS RIOCH,⁴ JACOBSEN.

ASSISTANT PROFESSORS A. B. JONES, CARR, SATTERFIELD,* TUREEN,* WARSON,* O'LEARY,* LEVY, MOLHOLM.²

RESEARCH ASSOCIATE SALOMON.³

INSTRUCTORS KUBITSCHKE, BELL, GITT,* MAUGHS, FINGERT,* ZENTAY, MARGARET GILDEA, SASLOW

INSTRUCTOR OF PSYCHIATRIC SOCIAL WORK BUCHMUELLER.

LECTURER EMERY.

ASSISTANTS KENDALL, BUSCH, MIKSICEK,* P. HARTMAN,* FRANCES GRAHAM, KERR,* STEPHENS,* REESE,* SWEETMAN.⁵

RESEARCH FELLOW HOFFSTATTER.

Instruction in the Department of Neuropsychiatry is given in all four years of the medical course. In the first semester a course is given on the structure of the personality, with particular emphasis on the develop-

¹ Effective, January 1, 1944.

² Effective, September 1, 1943.

³ Effective, December 1, 1943.

⁴ Resigned, September 1, 1943.

⁵ Resigned, October 31, 1943.

* In Military Service.

ment of attitudes. Other lectures and demonstrations in the first and second years are designed to correlate clinical neurology with neuro-anatomy, laying special emphasis upon the integration of organic functions through neural mechanisms and the encephalization and corticalization of personality functions.

In the second year, correlated with medical and surgical instruction in physical examination, elementary instruction is given in the approach to the patient as a person, with a view to understanding his problems in terms of their meaning for him as a person.

Members of the Department participate in the instruction in Neuropathology during the third trimester.

Clinical clerkships in the University Clinics in the third year bring the individual student directly into relationship with patients showing disorders of personality function, and with the family and community situations of such patients. The student also has the opportunity to work with patients showing more severe personality disorders at the Bliss Psychopathic Institute and City Sanitarium. Frequent conferences both with staff members and the psychiatric social workers are held for purposes of discussion of procedure and of working formulations.

Instruction in neurology in the third year is given in lectures, demonstrations and clinical clerkships. Emphasis is laid on the diagnosis and treatment of the common neurological syndromes, and on giving the students a basic training in the technique and interpretation of the neurological examination.

In the fourth year weekly clinical demonstrations are held for the whole class at which illustrative cases are presented and diagnosis and therapy are discussed.

FIRST YEAR

10. NEUROPSYCHIATRY.

INTRODUCTION TO MEDICAL PSYCHOLOGY. Lectures, essays and personal discussions concerning the development of human attitudes and emotional reactions affecting the study and practice of medicine. 20 hours.

INTEGRATIVE NEUROLOGY. A series of lectures, demonstrations and clinics concerning integrated functions of the organisms, given as part of Anatomy 12. The purpose of this series is to correlate laboratory investigations of the nervous system with clinical problems. Approximately 8 hours.
(Dr. Jacobsen and Assistants)

SECOND YEAR

20. PSYCHIATRY.

INTRODUCTORY COURSE ON THE PATIENT-PHYSICIAN RELATIONSHIP. (Part of Conjoint Medicine (see page 51).) Discussions with clinical demonstrations of the relationship between the patient and the physician and the other interpersonal relationships of the patient which have a bearing on his problems. Interview techniques and systematic formulation of the data are considered. 11 hours.

(Drs. E. Gildea, Saslow, Jacobsen and Associates)

2. NEUROLOGY.

NEUROLOGICAL EXAMINATION IN PHYSICAL DIAGNOSIS. (Part of Conjoint Medicine (see page 51). Lectures, demonstrations and exercises in the neurological examination of the patient. 6 hours.

(Drs. Jones and Levy in conjunction with Dr. Wood and Assistants)

THIRD YEAR

30. PSYCHIATRY.

(a) PSYCHOPATHOLOGY; AN INTRODUCTORY COURSE TO SOME OF THE THEORETICAL CONCEPTS OF THE DETERMINANTS OF HUMAN BEHAVIOR. Lectures with illustrative case studies concerning the psychodynamic principles involved in personality disorders and their treatment. In the first trimester emphasis is laid on current theories of the psychodynamics of personality disorders; in the third trimester the application of these principles to the therapy situation is elaborated and illustrated. The nosology of psychiatry is briefly and critically reviewed. This course in combination with clinical clerkships is aimed at assisting the orientation of the general medical practitioner to personality problems of patients. One hour a week for the first and third trimesters. 22 hours.

(Dr. E. Gildea)

(b) CLINICAL CLERKSHIP. One-ninth of the third year class serve a clinical clerkship of three to four weeks in the University Clinics. The students are assigned patients and participate in the work of the clinics under close personal supervision of the staff members. Interviews with institutionalized patients and conferences on selected cases are provided at the Washington University Clinics (Neuropsychiatry). 49 hours.

(Drs. E. Gildea, Jacobsen, Maughs, M. Gildea, F. Graham, Buchmueller)

31. NEUROLOGY.

(a) CLINICAL NEUROLOGY. Lectures with demonstrations on diseases affecting the nervous system. The semeiology of affections of the nervous system is taken up in the first third of the course, after which diseases of the nervous system are considered with emphasis on the biology of the disease and the rationale of therapy. One hour a week, first and second trimesters. 22 hours.

(Drs. Levy, Jacobsen, Jones)

(b) CLINICAL CLERKSHIPS. Clinical clerkships on wards of the St. Louis City Hospital. Students participate under supervision in the examination and treatment of patients. Emphasis is laid on the technique and interpretation of history-taking and the neurological physical examination. 30 hours.

(Drs. Levy, Saslow)

FOURTH YEAR

40. PSYCHIATRY.

PSYCHIATRIC CLINIC. An exercise every other week throughout the year, alternating with the Neurological Clinic (Neurology 41 (a.)) Illustrative cases at the City Sanitarium, Bliss Institute and the Barnes Hospital wards are presented and discussed. One hour every two weeks throughout the year. 17 hours.

(Drs. E. Gildea, Jacobsen, Saslow, Schwab, Maughs)

41. NEUROLOGY.

(a) NEUROLOGICAL CLINIC. An exercise every other week throughout the year, alternating with the Psychiatric Clinic (Psychiatry 40). The more important neurological diseases and syndromes are presented and discussed with illustrative cases from the Barnes Hospital and St. Louis City Hospital wards. One hour every two weeks throughout the year. 16 hours.

(Drs. Jones, Levy, Schwab)

(b) WARD ROUNDS. Twice a week ward rounds are conducted on neuropsychiatric cases in the Barnes Hospital wards with the medical group. One hour a week for one quarter. 8 hours.

(Drs. E. Gildea, Levy)

ELECTIVE COURSES

50. *Neurological Clinical Clerkship at the City Hospitals.* Four students mornings or afternoons at City Hospital #1, for four or eight weeks. Students act as externes. Instruction is given in the technique and interpretation of the more specialized procedures of neurological examination and treatment, including air- and electro-encephalography, lumbar puncture, perimetry, etc.

(Drs. Jones, Levy)

51. *Psychiatric Clinical Clerkship at the Bliss Institute and City Sanitarium.* Two students, morning or afternoon for four or eight weeks. Types of patients may be selected to meet special interests of individual student.

(Drs. E. Gildea, Molholm, Busch)

52. *Clinical Clerkship at the University Clinics.* Two students, mornings, for four or eight weeks. The students participate in the work of the neuropsychiatric clinic under the supervision of the staff members.

(Drs. Saslow, Schwab, Maughs)

53. *Research in Neurology, Neuropathology, Psychology and Psychiatry.* Facilities are available for qualified students to undertake original research in the laboratories of the department or in the clinics or wards.

54. *Staff conferences.* Students are invited to attend certain of the psychiatric and neurological staff conferences. These are as follows: a psychiatric staff conference held weekly at the Bliss Institute; neurological staff conferences held weekly, alternating on successive weeks, at the St. Louis City Hospital; conferences of the neuropsychiatric and neurosurgical staffs held weekly at Barnes Hospital.

THE MARY CULVER DEPARTMENT OF SURGERY

(The Department of Surgery includes General Surgery, Orthopedic Surgery, Neurological Surgery, and Genitourinary Surgery.)

BIXBY PROFESSOR EVARTS A. GRAHAM.

EMERITUS PROFESSORS VILRAY P. BLAIR, WILLARD BARTLETT.

PROFESSORS SACHS, SEELIG, CLOPTON, KEY, DALTON K. ROSE.

ASSOCIATE PROFESSORS COPHER, ELMAN, HEINBECKER, J. BARRETT BROWN,* WOMACK, FURLOW.*

ASSISTANT PROFESSORS FISHER, EWERHARDT, STONE, DUFF S. ALLEN, CREGO, THEODORE P. BROOKES, DEAKIN, JOSTES,* ROWLETTE,* BYARS, WALTON.* SCHWARTZ,* P. BARTLETT,* BLADES.*

INSTRUCTORS SANFORD, WILHELMI, HENRY S. BROOKES, JR., PROBSTEIN, MCCARROLL, CORDONNIER,* BRICKER,* JOHN PATTON,* HAFFNER, JORSTAD, HARBISON,* KEYS, WATTENBERG, POPPE, KELLY, SMOLIK, LEYDIG, LISCHER,* F. McDOWELL, LARGE, ECKERT, AKIN, GORDON MOORE.

ASSISTANTS THIEME, HEIDEMAN, O. P. HAMPTON,* ROCHE,* ALTHAUS, CUTLER, FELLER, KOPP, PRUETT, HEIFETZ, BRUCE MARTIN,* HALL, BARNHART, FISH,* GRUENFELD, CRIDER,* MODLIN,* ROULHAC,* VILRAY P. BLAIR, JR.,* OAKES,* PARKER,* H. SCHWARZ,* FRYER, GROWDON, MAYER, EISELE, KRAFT,* KLINGE,* LETTERMAN, LOCKHART, MUELLER,* O'REILLY,* PECK, MCAFEE,¹ RANKIN, COSTELLO, ASHLEY,² HATCH,² KEMLER,² A. J. McDOWELL,² ODELL,² PETRY.²

FELLOWS BURFORD,* SHEFTS,* PIANETTO, WU, VALLE, LENTINO,³ GONZELES, RIX, OSACAR.

The instruction in the Department of Surgery begins with an introduction to surgical principles at the end of the second year. These surgical principles for the most part are derived from fundamental concepts in the preclinical sciences which have been occupying the student since the beginning of his freshman year. Although in this course a few patients are used for the demonstration of lesions which illustrate the principles of surgery, it is really in the junior year that the first actual contact with patients occurs. Each student then is assigned to a clinical clerkship in the hospital wards and in that way is given an opportunity to study the more common and important kinds of surgical diseases. In the junior year five and one-half weeks (one-half trimester) are spent in the clinical clerkship in the Barnes and St. Louis Children's Hospitals which immediately adjoin the Medical School, and the same length of time at City Hospital No. 1 which is about two and one-half miles away. This division of time has been arranged in order that advantage may be taken of the large amount of traumatic material at the City Hospital. The clinical clerks become familiar with other cases than their own through the daily ward conferences. They are offered the opportunity of seeing all operations and they are encouraged to participate as assistants in practically all of the operations performed upon their patients to whom they have acted as clerks. Although each student will have for personal study a few cases representing the various specialties of surgery the principal instruction is concentrated upon general sur-

¹ Resigned, July 31, 1943.

² Effective, January 1, 1944.

³ July 1 to August 7, 1943.

* In Military Service.

gery, especially that sort of case which the general practitioner frequently encounters. Special instruction in history writing, in the examination of the patient and in various diagnostic and therapeutic techniques is given to small groups by the resident and assistant resident house officers. These small groups are in the nature of tutorial classes.

During the junior year also a systematic survey of clinical general surgery is given in a conference and recitation course in which the class is divided into two sections in order to provide a more personal contact between the instructor and the students. There is likewise a separate course devoted to a systematic review of fractures and traumatic surgery.

Surgical pathology, formerly given in the senior year, is being changed to a junior year course.

In the senior year the student works in the outpatient department. He also spends a part of his time at the Homer Phillips Hospital. In the ward work during this year particular attention is paid to the study of patients with acute abdominal disease, fractures and other kinds of traumatic surgery. Intensive instruction in malignant disease is given at the tumor clinic which the senior students attend one hour daily for four weeks.

SECOND YEAR

20. INTRODUCTION TO SURGERY. A laboratory, demonstration and lecture course in which are studied certain fundamental processes of physiology, chemistry and pathology as applied to surgery. The course includes the demonstration of patients illustrating various points under discussion. Four hours weekly during the third trimester. 44 hours.

(Dr. Heinbecker)

THIRD YEAR

30. SURGICAL RECITATIONS. A weekly discussion during the first and second trimesters on assigned surgical reading. The principles of surgery and many of the more common surgical conditions are considered. Standard textbooks and selected articles from the recent literature are freely consulted. The class is divided into two sections for this course. 22 hours.

(Drs. Elman, Heinbecker)

31. FRACTURES. Demonstrations, conferences and lectures on the more common fractures. This systematic presentation of the subject is in addition to the extensive clinical experience in fractures offered in the wards of the City Hospital. One hour weekly during the third trimester. 11 hours.

(Drs. Key, Copher)

32. SURGICAL CLINIC. A weekly clinic throughout three trimesters. See course 40. 33 hours.

(Dr. Graham)

33. SURGICAL CONFERENCE. The utilization of physical examination in the diagnosis and interpretation of some of the more common surgical diseases and their underlying nature, illustrated by patients, are discussed. A weekly exercise during three trimesters. 33 hours.

(Dr. Sachs)

34. SURGICAL WARDS. For one trimester the student serves as an assistant in the surgical wards. Half of the surgical group is at the St. Louis City Hospital for a period of five and one-half weeks while the other half is at the Barnes and St. Louis Children's Hospitals. The groups are then changed so that each student's ward service is for a period of eleven weeks. From 10 to 11 a. m. conferences on selected patients are held. General and special surgical cases are discussed by members of the staff. Following this conference the students spend the remainder of the day in the wards of the hospitals. The students take the case histories and make physical examinations and the usual laboratory examinations. They assist at some of the operations and do some of the surgical dressings. The students also attend autopsies performed on the cases studied by them and are required to be present at the weekly pathological conference at which these cases are discussed. The student is encouraged to consult the library frequently in the solution of problems concerning his patients. From 3 to 4 p. m. the resident and assistant residents meet the students in an informal conference at which time various questions that have arisen during the day are discussed and various aspects of the care of the patient considered. Particular effort is made to see that the student comes in contact with the more frequent and important surgical lesions and that the cases assigned him are sufficiently diversified to afford him an accurate perspective of surgery. 231 hours.
(Various members of the staff)

FOURTH YEAR

40. SURGICAL CLINIC. A weekly exercise throughout four quarters. Patients presenting the more usual general surgical conditions are demonstrated and their diagnostic and therapeutic problems are discussed. Students of the third year also attend this clinic. 32 hours.

(Dr. Graham)

41. ORTHOPEDICS. Groups of six students are assigned to work in the Orthopedic Outclinic four mornings a week for two weeks. In addition, the entire group of twelve students attends a conference in orthopedic surgery at the Shriners' Hospital for Crippled Children two hours a week for four weeks. 20 hours.

(Drs. Key, Crego and Staff)

42. GENITOURINARY OUTCLINIC. Groups of six students attend the Genitourinary Outclinic two hours a day, four days a week, for two weeks. 16 hours.

(Dr. Rose and Staff)

43. PROCTOLOGY. Demonstration of various lesions about the rectum and anus are given in the Outpatient Department to groups of six students. 4 hours.

44. NEUROSURGERY OUTCLINIC. Groups of six students attend the Neurosurgical Outclinic where patients with ambulatory neurosurgery conditions are demonstrated. 4 hours.

45. **TUMOR CLINIC.** Groups of twelve students attend the Tumor Clinic daily for four weeks from 11 until 12 o'clock. The clinic is so arranged that the students see patients with the more common types of cancer. Methods of diagnosis, the fundamentals underlying treatment and the pathology of the condition are discussed. Particular consideration is given to various types of radiation therapy. 20 hours.

46. **WARD WORK.** Twelve students are assigned to the Homer Phillips Hospital (the city hospital for negroes) for four weeks. From 9:30 to 10:30 a. m. clinical conferences are held at which time patients are demonstrated to the group by the student to whom the patient was assigned with discussion by the attending surgeon. Students are assigned patients of whom they take histories and make physical examinations as well as the usual laboratory examinations. The students are permitted to assist at some of the operations and do some of the surgical dressings. Particular attention is paid to acute abdominal diseases, traumatic surgery and fractures. 72 hours.

(Drs. Elman, Probst, Robert Bartlett, Gruenfeld)

47. **SURGICAL PATHOLOGY.** Weekly exercises of two hours for three trimesters, at which time the early pathological changes are considered from the standpoint of their clinical manifestations. Pathological material from the museum and operating room is studied both in the gross and microscopically. 64 hours. After this year this course will become a junior year course.

(Drs. Womack, Haffner)

ELECTIVE COURSES

50. *Neurosurgery.* Eight lectures in the second quarter of the fourth year. The lectures comprise a review of the anatomy and physiology of the nervous system as applied to neurosurgery and a discussion of the principal conditions encountered in this field.

(Drs. Sachs, Furlow and Staff)

51. *Postoperative Care.* Eight lectures and demonstrations in the fourth quarter of the fourth year. Both the normal and complicated postoperative developments are discussed.

(Dr. Allen)

52. *Surgical Pathology.* Two students full time for eight weeks, all quarters. The elective will consist of a correlation of the clinical records of hospital patients with the pathological findings. Time will be devoted to current surgical journals as related to surgical pathology as well as a brief review of pathological techniques.

(Dr. Womack)

53. *Washington University Clinics.* General surgery, eight weeks for four students, mornings or afternoons. The students will serve as clerks to outpatients the time being spent in the study and care of the patients with special attention to minor surgical procedures.

54 (511). *Research in Surgery.* Eight weeks full time. This elective is for those students who have been carrying on surgical research in their spare time the previous year and who wish to devote their entire time toward the completion of their problem.

(Dr. Graham)

55. *State Cancer Hospital.* Three students to serve as clinical clerks at the State Cancer Hospital, Columbia, Missouri, full time, eight weeks. The duties assigned the student will be the routine duties required of any clinical clerk consisting of both in and outpatient work, particularly related to malignant disease. Application must be made directly to the State Cancer Commission.

56. *Anesthesia.* One or two students. Eight weeks, full time. Since the surgical operative schedules begin early each morning the hour to report will be 7 o'clock. This will enable the student to inspect and test mechanical equipment prior to its use. The student will be assigned to certain nights on call duty with the supervisor to take emergency cases which arise. The course embraces a special training in the practical administration of anesthetics by approved modern techniques, this instruction taking place daily, except Sundays, during the weekly schedules in which the student participates in the operating room. The theoretical aspects are covered by specific periods of class room instruction followed by examination at stated intervals. The administration of ether, nitrous oxide-oxygen, ethylene, cyclopropane and basal anesthetics is taught and practiced. (Miss Lamb)

57. *Urology Clerkship in Barnes Hospital.* One student, mornings for eight weeks. (Dr. Rose)

58. *Physical Medicine.* Four students. Mornings for four or eight weeks. (Dr. Ewerhardt)

RADIOLOGY

PROFESSOR SHERWOOD MOORE.

CONSULTING PHYSICIST HUGHES.

ASSOCIATE PROFESSOR LARIMORE.

PHYSICIST THORNTON.**

ASSISTANT PROFESSORS WENDELL SCOTT,* ARNESON.*

RESEARCH ASSOCIATE SALOMON.¹

INSTRUCTORS ZINK, LOUIS HEMPELMANN, JR.,** FULBRIGHT, REINHARD, BOTTOM.

ASSISTANT MAXWELL.

Instruction in the applications of radiology in the diagnosis and treatment of disease is given very largely in collaboration with the several clinical departments.

FOURTH YEAR

TUMOR CLINIC. (See Surgery 45 for description.) One hour a day for four weeks. 32 hours.

DIAGNOSTIC RADIOLOGY. Eight hours a week for four weeks. 32 hours.

ELECTIVE COURSE

50. *Clerkship in Radiology.* Not to exceed two students at one time may act as externes in the Department of Radiology. They will participate in all activities. Full time for four or eight weeks. All quarters.

¹ Effective, December 1, 1943.

* In Military Service.

** In National Service.

OTOLARYNGOLOGY

PROFESSOR WALSH.

PROFESSORS EMERITI DEAN, HARRY LYMAN.

PROFESSOR PROETZ.

ASSOCIATE PROFESSORS HANSEL, ALDEN, COSTEN.

ASSISTANT PROFESSORS ARBUCKLE,* KELLEY, HOURN, McMAHON,² CONE,* GLICK.

INSTRUCTORS VOTAW,* BOEMER,* G. HARDY,* L. W. DEAN, JR., SMIT,* SENTURIA,* POTTER, STUTSMAN, PROUD.*

ASSISTANTS GAGE, SCHERRER, WILLIAM T. K. BRYAN, MOUNTJOY,* E. H. LYMAN,* CUTLER,* GODWIN, McCORRY, BLACK,¹ SOOY.¹

SECOND YEAR

OTOLARYNGOLOGIC AND PHYSICAL DIAGNOSIS. The class is divided into small groups with individual instructors for a total of six hours for instruction in the methods of Otolaryngological diagnosis and the use of instruments peculiar to this field. Part of Conjoint Medicine (see page 51).
(Dr. Walsh and Staff)

THIRD YEAR

30. OTOTOLOGY, RHINOLOGY AND LARYNGOLOGY. Eleven lecture hours given during the third trimester. (Drs. Walsh, Proetz, Lyman)

FOURTH YEAR

40. OTOLARYNGOLOGY. Clinical instruction is given to sections of six for twelve hours a week for two weeks. 24 hours.
(Drs. Walsh, Costen, Dean, Jr., Bryan)

ELECTIVE COURSES

51. *Clerkship in Otolaryngology.* Two students may serve as externes in the clinics for four or eight weeks. Permission of the Head of the Department is necessary before registration for this elective. Full time.
(Dr. Walsh and Staff)

OPHTHALMOLOGY

PROFESSOR LAWRENCE T. POST.

PROFESSORS SHAHAN, WIENER.

ASSOCIATE PROFESSOR EMERITUS WOODRUFF.

ASSOCIATE PROFESSORS WILLIAM F. HARDY, M. HAYWARD POST, SCHWARTZ.

ASSISTANT PROFESSORS B. Y. ALVIS, JAMES, HILDRETH, BEISBARTH.

INSTRUCTORS LANGE, CRAWFORD, SANDERS, MEINBERG, JAMES H. BRYAN.

LECTURER MASON.

ASSISTANTS E. B. ALVIS,* ROSENBAUM,* HANSEN,* SCOBEE, MILDER, ROBERTSON, ROSEHILL,* MATTIS,¹ MAGEE,¹ SLAUGHTER,¹ FREEDMAN,¹ CHAN-PONG.¹

SECOND YEAR

OPHTHALMOSCOPY. Lectures and demonstrations are given as a part of the course in Conjoint Medicine. 6 hours. (See page 51.)
(Drs. Lawrence Post, James, Sanders)

¹ Effective, January 1, 1944.

² Resigned, October 15, 1943.

* In Military Service.

THIRD YEAR

30. OPHTHALMOLOGY. One lecture a week is given in the third trimester.
(Dr. Lawrence Post)

FOURTH YEAR

40. CLINICAL OPHTHALMOLOGY. Instruction in diagnosis and treatment of eye diseases is given to small sections of the class. Eleven hours a week for two weeks. 22 hours.

(Drs. Lawrence Post, M. H. Post, Schwartz,
Beisbarth, Hildreth, Lange)

OBSTETRICS AND GYNECOLOGY

PROFESSOR WILLARD M. ALLEN.

PROFESSORS O. H. SCHWARZ, ROYSTON, T. K. BROWN.

PROFESSORS EMERITI H. S. CROSSEN, F. J. TAUSSIG.¹

ASSISTANT PROFESSORS McNALLEY, O'KEEFE, PADDOCK, KREBS, R. J.

CROSSEN, HOBBS, WEGNER, D. R. SMITH,* ROBLEE, SOULE,* ARNESON.*

EMERITUS ASSISTANT PROFESSOR SCHLOSSSTEIN.

INSTRUCTORS LIESE, MORRIN, DAVIS, ARZT, SCRIVNER, O'NEILL, WASSERMAN,* GIBSON, BORTNICK,* ROTHMAN,* WULFF,* VIEAUX.

ASSISTANTS CANEPA, STEWART, PATTON, MAX,* HUTTO, H. L. ALLEN,*

KEYS,* WOLF,* ESSLINGER, LATTUADA,* HAWKER, MCKNIGHT, MONAT,

MASTERS,² F. P. SMITH.²

RESEARCH ASSISTANT HAYWARD.

Students are given practical instruction in obstetrics and gynecology in the St. Louis Maternity Hospital, the Barnes Hospital, the University Clinics and the St. Louis City Hospital. The St. Louis Maternity provides approximately 900 confinements, the St. Louis City Hospital, 600 and the home delivery service of the University Clinics, 175, annually. On the gynecological divisions there are approximately 400 admissions annually in the Barnes Hospital and 500 in the St. Louis City Hospital which are available for teaching purposes. Instruction in the care of ambulatory patients is carried out in the University Clinics where about 1,000 new patients are seen and 9,000 follow up visits are made annually.

SECOND YEAR

20. INTRODUCTION TO OBSTETRICS. Part of the course in Conjoint Medicine (see page 51).

THIRD YEAR

30. LECTURES IN OBSTETRICS AND GYNECOLOGY. Entire class once weekly throughout the year. 33 hours.

(Drs. Allen, Schwarz, T. K. Brown, Wegner, Hobbs)

31. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY. Two hours a week (in sections of one-third of the class). 22 hours.

(Dr. Hobbs and Staff)

¹ Died, August 21, 1943.

² Effective, January 1, 1944.

32. CLINICAL CLERKSHIPS. Students serve on the wards of the St. Louis Maternity Hospital, Barnes Hospital and the St. Louis City Hospital. A group, composed of two-ninths of the class, spends two-ninths of the year in the Department. One-half of the group works at the St. Louis Maternity and Barnes Hospitals, and the other half at the St. Louis City Hospital, the subgroups changing in the middle of the period. The clerkship includes work on both gynecological and obstetrical wards. The clerks become an integral part of the organization and assume specific duties and responsibilities. They assist in the delivery rooms and small groups attend the University Clinics for special instruction in pelvic examination, abdominal palpation and pelvic measurement. Rounds are conducted at 10:10 a. m., four times weekly for the group at the St. Louis Maternity and Barnes Hospitals and at 10:30 a. m., four times weekly for the group at the St. Louis City Hospital. 154 hours. (Dr. Allen and Staff)

FOURTH YEAR

40. CLINICS AND LECTURES. Entire class once weekly throughout the year. 33 hours. (Dr. Allen and Staff)

41. CLINICAL CLERKSHIPS. One-sixteenth of the class serves as clinical clerks in the University Clinics for a period of two weeks. During this period they spend the day from 9:00 to 12:00 and 1:30 to 4:00. New patients are assigned and after complete history and physical examination has been made each case is reviewed with the student by a member of the staff. Old patients are also seen frequently and ample opportunity is provided for examination of prenatal patients. Students also attend special clinics which are held concurrently with the regular clinic. 61 hours.

42. OBSTETRICAL SERVICE. A second group of one-sixteenth of the class spends two weeks on obstetrical call. During this period they reside in the hospital, some at the St. Louis Maternity Hospital and others at the St. Louis City Hospital, and attend under supervision a number of women during labor. In some instances they will attend labor conducted in the home.

43. TUMOR CLINIC. Instruction in the diagnosis and treatment of neoplastic disease is given two hours once weekly in the tumor clinic for a period of four weeks. This is conducted jointly with the Department of Radiology and the use of radium and deep X-ray therapy in these conditions is demonstrated. Students have the opportunity of seeing several patients, before, during and after treatment. This is given to the group in surgery. 8 hours.

ELECTIVE COURSES

50. *Gynecological Pathology*. Two students may serve as assistants in the laboratory of the St. Louis Maternity Hospital and participate in the routine. Four or eight weeks. Full time. All quarters.

51. *University Clinics.* Three students as clinical clerks, all day for four or eight weeks.

52. *Maternity Hospital.* One or two students may serve as clinical clerks, living in the hospital four or eight weeks.

THE EDWARD MALLINCKRODT DEPARTMENT OF PEDIATRICS

PROFESSOR HARTMANN.

PROFESSORS COOKE, VEEDER.

ASSOCIATE PROFESSORS THEODORE C. HEMPELMANN,³ McCULLOCH.

ASSISTANT PROFESSORS BLATTNER, M. COOK.

INSTRUCTORS BLEYER, PARK J. WHITE, ZENTAY, KUBITSCHKE, RUPE, PERLEY, LAWRENCE GOLDMAN, ROHLFING, DEUTCH,* F. A. JACOBS, STANLEY HARRISON,* JAUDON, LONDE,* BARNETT,** POWERS,* D. JONES, DOVAL,¹ SALMON, FORBES, ROBINSON, WACHTER, SCHWARTZ, ANTOS.¹ ASSISTANTS LONSWAY, BAUER, AFF, SCHWARTZMAN,* KUTTNER, GOLDRING, LOVE, SKINNER,² ERGANIAN,² RUBEL, E. BRYAN,¹ KLINGBERG,² LAWLER.²

RESEARCH ASSISTANT HEYS.

DENTISTS MARTIN, HARRIS.

The instruction during the third year is designed to introduce the subject of pediatrics to the student by a systematic course of lectures emphasizing particularly normal growth and development, infant nutrition and feeding, acute infectious diseases, and serious disturbances in water and mineral metabolism.

During the fourth year the emphasis is placed on the physical findings of disease and the student is brought into close contact with the patient in the wards of the St. Louis Children's Hospital, and by frequent clinical conferences with the teaching staff.

THIRD YEAR

30. PEDIATRICS. A systematic lecture course in general pediatrics, including occasional clinical demonstrations. Two hours a week for two trimesters and one hour a week for one trimester. 55 hours.

(Drs. Hartmann, Cooke)

FOURTH YEAR

40. PEDIATRIC CLINIC. Weekly amphitheatre demonstrations and discussions of selected cases from the hospital, for the whole class. 32 hours.

(Drs. Hartmann, Cooke, Blattner, Barnett, Cook, Forbes, Bleyer, Martin)

41. CLINICAL AND PATHOLOGICAL CONFERENCES. Weekly conferences, following clinical conferences. See also Pathology 40.

42. CLINICAL CLERKSHIPS. For essentially the entire day, beginning at 9:00 a. m., one-eighth of the class works as clinical clerks for four weeks. This work consists of the following: (1) daily early morning

¹ Effective, January 1, 1944.

² Resigned, December 31, 1943.

³ Died, December 13, 1943.

* In Military Service.

** In National Service.

ward rounds with the house staff; (2) work on assigned cases, which may be interrupted for special demonstrations; (3) daily conferences with members of the teaching staff, during which the more important pediatric subjects are stressed; (4) general staff rounds twice weekly, during which students present selected cases which are then discussed by the staff; (5) work in the Outpatient Department of the University Clinics, including the general pediatric clinic and such special clinics as the well-baby clinic and the luetic clinic; (6) work in special metabolic clinic conducted in the hospital proper on Saturday morning; (7) clinical conferences at the St. Louis City Isolation Hospital; (8) special instruction in technic of nose, throat and ear examinations in infants and children by members of the Department of Otolaryngology; (9) special demonstrations in common nursing procedures, which include the preparation of artificial formulae.

(Drs. Hartmann, Cooke, Blattner, Barnett, Jaudon, Zentay, Kubitschek, Schwartz, Cook, Forbes and Staff)

ELECTIVE COURSES

50. *Clerkship at Children's Hospital.* Two students, full time, four or eight weeks.

51. *Clerkship at City Hospital.* Two students, full time, four or eight weeks.

52 (590). *Research.* Properly qualified students may engage in clinical or laboratory research under the direction of the pediatric staff. Hours by arrangement.

53. *Advanced Work.* The facilities of the department are available to qualified students who desire to do additional or advanced work in the St. Louis Children's Hospital, St. Louis Isolation Hospital, Child Guidance Clinic, the Pediatric Clinic or in the laboratories of the department. Hours to be arranged.

MILITARY SCIENCE AND TACTICS

EARL H. PERRY, M.D., Lieutenant Colonel, M. C., U. S. A.

Associate Professor of Military Science and Tactics

A Medical Unit of the Reserve Officers' Training Corps is maintained. An officer of the Medical Corps of the Regular Army is detailed to the School as instructor. Classes are a part of the regular schedule. The work is divided as follows:

(10 and 20) Basic Course—first and second years.

(30 and 40) Advanced Course—third and fourth years.

Enrollment in both the Basic and Advanced Courses is optional and does not obligate the student to any military duty except to complete the section of the course undertaken.

Satisfactory completion of the Basic Course is required for enrollment in the Advanced Course. Certain credits may be allowed for work done in R. O. T. C. Units elsewhere.

Students enrolled in the Advanced Course receive "Commutation of Subsistence," at the rate prescribed by law, throughout the full two year period.

Upon completion of the course and internship the student will be commissioned a First Lieutenant, Medical Section, Officers' Reserve Corps, or with a certificate of eligibility for such commission.

MISCELLANEOUS COURSES

MEDICAL JURISPRUDENCE. A course given in the fourth year embracing medical evidence and testimony; expert testimony; dying declarations; rights of medical witnesses; establishing identity from living and dead bodies; sudden death from natural causes and by violence; criminal acts determined by medical knowledge; the legal relation of physician to patients and the public; insanity, and malpractice. 11 hours.

(Mr. Crowdus)

ELECTIVE COURSE

Professional Conduct and Medical Economics. An elective course in which the following subjects are discussed: the young physician and his problems; group medicine and specialization; ethical relations between physicians; organized medicine; birth control; quackery, fads, and cults; medical finance; industrial and contract practice; "systems" of practice in other countries; health insurance plans. 8 hours.

(Dr. Park J. White)

POST-GRADUATE COURSES

Courses in the following subjects are offered to a limited number of qualified graduates in medicine:

OBSTETRICS AND GYNECOLOGY¹

A four-weeks' course in obstetrics and diagnostic gynecology is offered once each year, beginning in May. The course is designed for those doing general practice, and its object is to provide a thorough grounding in the modern practice of obstetrics and gynecology. For those desiring to enter upon the practice of obstetrics and gynecology as a specialty, the course will furnish a sound basis for further work in this field.

OPHTHALMOLOGY¹

An eight-months' course in ophthalmology is offered each year beginning in October. The purpose of the course is to provide a good foundation in ophthalmology on which the student can build further, preferably by ophthalmic internships or by study while engaging in practice. Approximately one-fifth of the time is spent in the study of the fundamental sciences as they pertain to ophthalmology.

¹ This course will not be offered in 1944.

OTOLARYNGOLOGY¹

An eight-months' course in otolaryngology is offered each year beginning in September.

The purpose of the course is to prepare the student for a residency in otolaryngology or for work with a preceptor. The curriculum is not arranged with the thought of making him a finished otolaryngologist. It is prepared so as to build a firm foundation for his development as a clinician. The instruction is not confined to the basic sciences. Those subjects are included in the curriculum which will best prepare him for his work as an interne.

The theory and practice of otolaryngology are studied; operative surgery and bronchoscopy are taught in the dead house and on animals. Particular attention is given to the methods of examination of patients and to diagnosis. The problems of defects and the management of the deaf child are emphasized.

ANATOMY

Dissection. A six-weeks' summer course in anatomy is offered for physicians desiring to review the subject. Any of the following parts may be elected for study: head and neck, thorax and upper limb, abdomen and pelvis, lower limb.

Pamphlets giving further information about these courses may be obtained on application to the Registrar of the School.

¹ This course will not be offered in 1944.

DEGREES CONFERRED AT COMMENCEMENTS

March 21, 1943

DOCTOR OF MEDICINE

NAME—INTERNSHIP

- Anderson, DeWayne Campbell, B.S.—City Hospital, St. Louis, Missouri.
 Anthony, Dallas Dean, Jr., B.S.—Barnes Hospital, St. Louis, Missouri.
 Arthur, John Mannen, III, A.B.—City Hospital, St. Louis, Missouri.
 Ashley, Hugh Vincent, Jr., A.B.—Barnes Hospital, St. Louis, Missouri.
 AufderHeide, George Russell, A.B.—St. Luke's Hospital, St. Louis, Missouri.
 Balken, John Bruce, A.B.—University of Minnesota Hospitals, Minneapolis, Minnesota.
 Barrett, Elmer LeVerl, A.B.—Barnes Hospital, St. Louis, Missouri.
 Beamer, Parker Reynolds, A.B., M.S., Ph.D. (cum laude)—Department of Pathology, Washington University School of Medicine, St. Louis, Missouri.
 Bergner, Grace Elizabeth, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Best, Robert Bruce—Minneapolis General Hospital, Minneapolis, Minnesota.
 Birsner, Frank Hinch, A.B.—Barnes Hospital, St. Louis, Missouri.
 Bowersox, Warren Ashley, A.B.—Missouri Baptist Hospital, St. Louis, Missouri.
 Boyle, Jean Rebecca, B.S., M.S.—St. Louis Children's Hospital, St. Louis, Missouri.
 Callahan, William Paul, Jr., B.S.—Department of Pathology, Washington University School of Medicine, St. Louis, Missouri.
 Case, Dorothy Mildred—St. Louis Children's Hospital, St. Louis, Missouri.
 Caton, William Leroy, Jr., B.S.—Gorgas Hospital, Ancon, Panama Canal Zone.
 Charnas, Raymond Mervin, A.B.—Jewish Hospital, Brooklyn, New York.
 Christensen, Dale Clair, B.S., M.S.—Colorado General Hospital, Denver, Colorado.
 Cockrell, John Lloyd, A.B., B.S., M.A.—San Francisco Hospital, San Francisco, California.
 Conlin, Gerald John, Jr.—Barnes Hospital, St. Louis, Missouri.
 Crites, John Lee, A.B., B.S.—City Hospital, St. Louis, Missouri.
 Daley, Frank Russell, A.B., B.S.—Jackson Memorial Hospital, Miami, Florida.
 Davis, Del Roy Richard, A.B., B.S.—Barnes Hospital, St. Louis, Missouri.
 Deck, Melvin Denver, A.B.—Minneapolis General Hospital, Minneapolis, Minnesota.
 Dunn, Edward Hardin, A.B.—City Hospital, St. Louis, Missouri.
 Ellis, Francis Jerome, A.B., B.S.—City Hospital, St. Louis, Missouri.
 Ewing, Nathaniel DuKate, A.B.—Union Memorial Hospital, Baltimore, Maryland.
 Farrington, Wilma Rose, A.B.—Jersey City Medical Center, Jersey City, New Jersey.
 Feldman, David—Jewish Hospital, St. Louis, Missouri.
 Firminger, Harlan Irwin, A.B.—Department of Pathology, Washington University School of Medicine, St. Louis, Missouri.
 Fisher, Don Lyon, B.S.—Barnes Hospital, St. Louis, Missouri.
 Freeman, David Merrill, A.B., B.S.—St. Luke's Hospital, St. Louis, Missouri.
 Fullenwider, Charles Glendenning, B.S.—City Hospital, Cleveland, Ohio.
 Goldman, Melvin Leonard, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Gundle, Sigmund—Jewish Hospital, St. Louis, Missouri.
 Guterman, Bert, A.B.—New Haven Hospital, New Haven, Connecticut.
 Haines, Wilbur Fox, A.B.—San Francisco City and County Hospital, San Francisco, California.
 Harding, Herbert Clagett, B.S.—Kings County Hospital, Brooklyn, New York.
 Holt, James Homer, A.B.—Philadelphia General Hospital, Philadelphia, Pennsylvania.
 Holt, Robert Earl, Jr.—City Hospital, St. Louis, Missouri.
 Huelsmann, Donald, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Kahn, Stanley Samuel, A.B. (cum laude)—Touro Infirmary, New Orleans, Louisiana.
 Kanter, Stanley Samuel, A.B., M.A.—Barnes Hospital, St. Louis, Missouri.
 Klingberg, William Gene, A.B. (cum laude)—St. Louis Children's Hospital, St. Louis, Missouri.
 Kneznokoff, Leonard, A.B.—City Hospital, St. Louis, Missouri.
 Knoke, Frederick William, Jr., A.B.—Barnes Hospital, St. Louis, Missouri.
 Koch, Fremont Pershing, A.B.—San Diego County Hospital, San Diego, California.
 Lawrence, Forrest Clifton, B.S.—City Hospital, St. Louis, Missouri.
 Layton, Ira Clare, A.B.—Barnes Hospital, St. Louis, Missouri.
 Leibner, Ira Wallace, A.B. (cum laude)—Jewish Hospital, Brooklyn, New York.
 Lemoine, Albert Napoleon, Jr., A.B.—Kansas City General Hospital, Kansas City, Missouri.
 Lippert, Stuart Peter, A.B.—St. Luke's Hospital, St. Louis, Missouri.
 Masunaga, Eichi, B.S.—St. Louis County Hospital, Clayton, Missouri.
 Mattick, Irvin Herter, A.B.—United States Naval Hospital, San Diego, California.
 Mayfield, James Logan, A.B.—Barnes Hospital, St. Louis, Missouri.
 McDowell, Allyn Jay, B.S.—Barnes Hospital, St. Louis, Missouri.

McKemie, Jack Furman, B.S.—Barnes Hospital, St. Louis, Missouri.
 Miller, Elmer Bowman, A.B.—University Hospitals, Ann Arbor, Michigan.
 Miller, James Augustus, A.B.—King County Hospital, Seattle, Washington.
 Modert, Jean Maximilian, A.B.—Kansas City General Hospital, Kansas City, Missouri.
 Naney, Alva Paul, Jr.—Presbyterian Hospital, Chicago, Illinois.
 Odell, Richard Thomas, A.B., B.S.—Barnes Hospital, St. Louis, Missouri.
 Pappenfort, Roberts Bernhardt, Jr., A.B., B.S.—St. Luke's Hospital, St. Louis, Missouri.
 Petry, James Louis, A.B., B.S.—Barnes Hospital, St. Louis, Missouri.
 Quinn, Denise Callister, A.B.—City Hospital, St. Louis, Missouri.
 Read, James Allan, A.B.—Barnes Hospital, St. Louis, Missouri.
 Rose, Leslie William, Jr., B.S.—Charlotte Memorial Hospital, Charlotte, North Carolina.
 Rose, Raymond Frederick (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Rosenstein, Ernest Simon, A.B.—San Francisco Hospital, San Francisco, California.
 Rouse, Ernest Tuttle, Jr., B.S. (cum laude)—Mallory Institute of Pathology, Boston City Hospital, Boston, Massachusetts.
 Rupp, Edson Coldren, Jr., A.B.—Henry Ford Hospital, Detroit, Michigan.
 Santer, Daniel Gleddeen, B.S.—City Hospital, St. Louis, Missouri.
 Schweitzer, Fred Carl, Jr., B.S.—Department of Pathology, Washington University School of Medicine, St. Louis, Missouri.
 Seidler, William A., Jr., A.B.—City Hospital, St. Louis, Missouri.
 Smith, Foyell Pennington, A.B.—City Hospital, St. Louis, Missouri.
 Smith, Ralph Jackson, B.S.—T. C. I. Hospital, Fairfield, Alabama.
 Snyder, Edward Nicholas, Jr., A.B.—Los Angeles County General Hospital, Los Angeles, California.
 Stauss, Hans-Karl, A.B., B.S.—Nashville General Hospital, Nashville, Tennessee.
 Tabankin, Alvin Jacob, B.S. (cum laude)—Jewish Hospital, Brooklyn, New York.
 Thurlow, Alfred Amos, Jr., A.B.—Alameda County Hospital, Oakland, California.
 Todd, Gordon Musgrove, B.S. (cum laude)—Lakeside Hospital, Cleveland, Ohio.
 Turbeville, Fred Morton, A.B.—Barnes Hospital, St. Louis, Missouri.
 Uhlemeyer, Henry Adolph, Jr., A.B.—City Hospital, St. Louis, Missouri.
 Watkins, Carlton Gunter, A.B.—City Hospital, St. Louis, Missouri.
 Wheeler, Raymond Milner—Barnes Hospital, St. Louis, Missouri.
 Williams, Rymal Graff, A.B.—Denver General Hospital, Denver, Colorado.
 Wise, Robert James, A.B.—Charity Hospital of Louisiana, New Orleans, Louisiana.
 Wissmath, Frank Sum, A.B.—Barnes Hospital, St. Louis, Missouri.
 Witt, Clyde Max, A.B., B.S.—City Hospital, St. Louis, Missouri.
 Witter, Harry Albert, A.B.—City Hospital, St. Louis, Missouri.
 Wooldridge, Wilfred Erwin, B.S.—Barnes Hospital, St. Louis, Missouri.
 Yore, Richard William, A.B.—New Haven Hospital, New Haven, Connecticut.

Total 92

May 27, 1943

NAME — INTERNSHIP

McQueen, Kent, B.S.—Barnes Hospital, St. Louis Maternity Hospital and St. Louis Children's Hospital, St. Louis, Missouri.
 Shaw, Carvel Thomas, B.S.—City of Detroit Receiving Hospital, Detroit, Michigan.

Total 2

December 12, 1943

NAME — INTERNSHIP

Alex, Morris, B.S.—Jewish Hospital, St. Louis, Missouri.
 Alford, Almond Wade, A.B.—T. C. I. Hospital, Fairfield, Alabama.
 Allen, Jerry Harrison, Jr., A.B., M.A.—Barnes Hospital, St. Louis, Missouri.
 Allred, Horace Lawrence, A.B.—General Hospital of Fresno County, Fresno, California.
 Alsop, Webb Strange, Jr., A.B., B.S.—United States Naval Hospital, San Diego, California.
 Asel, Norman Donald, A.B.—City Hospital, St. Louis, Missouri.
 Black, John Paul Myles, B.S.—General Hospital of Fresno County, Fresno, California.
 Blinn, John Ferguson, Jr., A.B.—San Francisco City and County Hospital, San Francisco, California.
 Blumenschein, John Charles, B.S.—Virginia Mason Hospital, Seattle, Washington.
 Boles, Clifford Read, A.B.—Barnes Hospital, St. Louis Maternity Hospital, St. Louis Children's Hospital, St. Louis, Missouri.
 Bondurant, Bryce Harold, A.B. (cum laude)—St. Luke's Hospital, St. Louis, Missouri.
 Castile, Daniel Shetler, A.B.—San Francisco City and County Hospital, San Francisco, California.
 Chappell, Frances May, A.B.—McMillan Hospital, St. Louis, Missouri.
 Clay, Joseph Baker, A.B.—City Hospital, St. Louis, Missouri.
 Compton, James Richard, A.B.—Union Memorial Hospital, Baltimore, Maryland.
 Costner, Alfred Nixon, B.S.—Norfolk General Hospital, Norfolk, Virginia.

- Covington, Terrell, Jr., A.B.—Paterson General Hospital, Paterson, New Jersey.
 Cravens, James Hewitt, B.S.—University of Chicago Clinics, Chicago, Illinois.
 Czebrinski, Edward Walter, A.B.—City Hospital, St. Louis, Missouri.
 DeBold, Conrad, A.B.—Fordham Hospital, New York, New York.
 Donley, Leo Francis, Jr., B.S.—Barnes Hospital, St. Louis, Missouri.
 Dwyer, Frank Xavier, A.B., B.S.—United States Naval Hospital, San Diego, California.
 Eisenhauer, John Herman, B.S. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Engleman, Reinhold, B.S.—City Hospital, St. Louis, Missouri.
 Erickson, William Gardner, B.S.—Salt Lake County General Hospital, Salt Lake City, Utah.
 Finsten, Herman Ludwig, A.B., B.S., M.S.—Sacred Heart Hospital, Spokane, Washington.
 Fritz, Herbert Carl Henry, A.B.—City Hospital, St. Louis, Missouri.
 Fukushima, Yasuyuki, B.S. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Geppert, Joseph Walter, A.B.—Mount Carmel Mercy Hospital, Detroit, Michigan.
 Geppert, Thomas Vincent, B.S.—Henry Ford Hospital, Detroit, Michigan.
 Goldfarb, Alvin, A.B.—Jewish Hospital, St. Louis, Missouri.
 Gottschalk, Louis August, A.B.—Barnes Hospital, St. Louis, Missouri.
 Graham, David Tredway, A.B., M.A. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Grant, Harold M., A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Greenwood, Benjamin Samuel, B.S., M.S.—Ancker Hospital, St. Paul, Minnesota.
 Guemmer, Gerald Edwin, A.B.—Research and Educational Hospital, Chicago, Illinois.
 Guhleman, Henry Valdean, Jr., A.B., B.S.—University of Maryland Hospital, Baltimore, Maryland.
 Haddock, James Nelson, A.B., B.S., M.A.—Lucas County General Hospital, Toledo, Ohio.
 Hewitt, Archie Lee—Missouri Baptist Hospital, St. Louis, Missouri.
 Hewitt, Helen, A.B.—Johns Hopkins Hospital, Baltimore, Maryland.
 Hodges, William Wilson, A.B.—Union Memorial Hospital, Baltimore, Maryland.
 Ingram, John Samuel, A.B.—City Hospital, St. Louis, Missouri.
 Jones, Richard Arthur, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Jones, William Hammond, A.B., B.S.—Baptist Memorial Hospital, Memphis, Tennessee.
 Jordan, Mary, A.B.—Philadelphia General Hospital, Philadelphia, Pennsylvania.
 Joslyn, Howard Pratt, B.S.—Milwaukee County Hospital, Milwaukee, Wisconsin.
 Kennedy, Walter James, Jr., A.B., B.S.—St. Louis Children's Hospital, St. Louis, Missouri.
 Kettenbach, Edward Leland, B.S.—St. Vincent's Hospital, Portland, Oregon.
 Kowert, Edward Harry, A.B.—Cumberland Hospital, Brooklyn, New York.
 Krebs, David Evans, A.B.—Jennie Edmundson Memorial Hospital, Council Bluffs, Iowa.
 Krebs, Edwin, A.B. (cum laude)—Barnes Hospital, St. Louis, Missouri.
 Larsen, Boyd Joseph, A.B.—Salt Lake County General Hospital, Salt Lake City, Utah.
 Lawler, Harry James, B.S., D.Sc. (cum laude)—St. Louis Children's Hospital, St. Louis, Missouri.
 Lichtwardt, Harry Edward, A.B.—Woman's Hospital, Detroit, Michigan.
 Lince, Elaine Kingsbacher, A.B.—The Langley Porter Clinic, The Medical Center, San Francisco, California.
 Luikart, Ralph Herbert, Jr., A.B.—Massachusetts General Hospital, Boston, Massachusetts.
 Lyda, Wood, B.S.—DePaul Hospital, St. Louis, Missouri.
 Makley, Torrence Aloysius, Jr., B.S.—Barnes Hospital, St. Louis, Missouri.
 Mallory, Joseph Ross, A.B.—St. Luke's Hospital, St. Louis, Missouri.
 Matheson, Earl Wood, B.S.—St. Luke's Hospital, Chicago, Illinois.
 Mazur, Herbert Arthur—Jewish Hospital, St. Louis, Missouri.
 McElroy, Glenn Leslie, A.B.—St. Luke's Hospital, St. Louis, Missouri.
 Meisenheimer, Martin Peter—West Suburban Hospital, Oak Park, Illinois.
 Meyn, Margaret Faye Boyd, A.B., B.S. (cum laude)—Barnes Hospital, St. Louis Children's Hospital and St. Louis Maternity Hospital, St. Louis, Missouri.
 Middleton, William Harry, A.B.—Lutheran Hospital, St. Louis, Missouri.
 Miller, William Joseph, B.S.—Barnes Hospital, St. Louis, Missouri.
 Moore, Andrew Maurice, A.B.—City Hospital, St. Louis, Missouri.
 Moore, Stanley Wayne—DePaul Hospital, St. Louis, Missouri.
 Motley, Cornealia Ellis, A.B., B.S., M.A.—City Hospital, St. Louis, Missouri.
 Mundy, Carroll Francis, B.S.—Illinois Central Hospital, Chicago, Illinois.
 Nells, Julius Karl, A.B.—St. Vincent's Hospital, Portland, Oregon.
 Owen, James Griffith, B.S.—St. Louis County Hospital, Clayton, Missouri.
 Parker, Harold Graham, B.S.—Kansas City General Hospital, Kansas City, Missouri.
 Pratt, Alsey Clements, Jr., A.B.—United States Naval Hospital, Farragut, Idaho.
 Price, William Phillip—Kansas City General Hospital, Kansas City, Missouri.
 Quick, James Chilton, A.B., B.S.—Charleston General Hospital, Charleston, West Virginia.
 Quinn, James Henry—Salt Lake County General Hospital, Salt Lake City, Utah.

- Ramsdell, Stuart Talmage, A.B., B.S.—Minneapolis General Hospital, Minneapolis, Minnesota.
- Ray, Weldon Arnold, A.B.—City Hospital, St. Louis, Missouri.
- Rohlfing, Walter Alfred, Jr., A.B.—General Hospital of Fresno County, Fresno, California.
- Rose, Ira Woodall, Jr., B.S.—Union Memorial Hospital, Baltimore, Maryland.
- Scheer, George Edward, A.B.—City Hospital, St. Louis, Missouri.
- Schricker, James Louis, Jr., A.B.—Dr. W. H. Groves Latter-Day Saints Hospital, Salt Lake City, Utah.
- Schwartz, Ernest, A.B., M.A.—Franklin Hospital, San Francisco, California.
- Shatz, Burton Albert, A.B.—Jewish Hospital, St. Louis, Missouri.
- Silvermintz, Saul Don, A.B.—Jewish Hospital, St. Louis, Missouri.
- Sledge, James Nathan, Jr., B.S.—T. C. I. Hospital, Fairfield, Alabama.
- Sleeter, Richard Lee, B.S. (cum laude)—Salt Lake County General Hospital, Salt Lake City, Utah.
- Smith, Donald Eugene, A.B.—Presbyterian Hospital, Chicago, Illinois.
- Spillane, Richard Judd, A.B.—Hartford Hospital, Hartford, Connecticut.
- Sprenger, Lucille Audrey, A.B.—Harper Hospital, Detroit, Michigan.
- Stadtner, David Allan, A.B.—San Francisco City Hospital, San Francisco, California.
- Stauffer, Tom Goodman, A.B.—Vanderbilt University Hospital, Nashville, Tennessee.
- Sudholt, Alfred Felix, Jr., A.B., B.S.—St. Luke's Hospital, St. Louis, Missouri.
- Sullivan, Daniel Francis—United States Naval Hospital, Bethesda, Maryland.
- Swift, Robert Howard, A.B.—St. Mark's Hospital, Salt Lake City, Utah.
- Tagge, James Fredrick, A.B.—Barnes Hospital, St. Louis, Missouri.
- Thorne, Wiley Kellett, Jr., A.B.—City Hospital, St. Louis, Missouri.
- Tichenor, Robert Woodrow, B.S., A.B.—City Hospital, St. Louis, Missouri.
- Tigert, Russell, Jr., B.S.—City Hospital, St. Louis, Missouri.
- Trueblood, Alva Cooper, Jr., A.B.—St. Louis Maternity Hospital, St. Louis, Missouri.
- Vest, James Christopher, B.S.—City Hospital, St. Louis, Missouri.
- Walters, Harold Eugene, A.B.—St. Luke's Hospital, Denver, Colorado.
- Welborn, William Singleton, B.S.—DePaul Hospital, St. Louis, Missouri.
- Westcott, Robert Jean, A.B., B.S.—St. Luke's Hospital, St. Louis, Missouri.
- Wiegand, Herbert Charles, A.B.—Barnes Hospital, St. Louis, Missouri.
- Wilson, John Alfred, A.B.—St. Louis County Hospital, Clayton, Missouri.
- Woolsey, Carl Taliaferro, A.B.—St. Mark's Hospital, Salt Lake City, Utah.
- Yeager, Helen Elizabeth, A.B.—Research and Educational Hospital, Chicago, Illinois.
- Young, Lafayette, Jr., A.B.—Barnes Hospital, St. Louis, Missouri.

Total, 102

PRIZES AWARDED AT COMMENCEMENT

March 21, 1943

GILL PRIZE IN ANATOMY

Louis Oscar Lambiotte, B.S.

GILL PRIZE IN PEDIATRICS

William Gene Klingberg, A.B.
Gordon Musgrove Todd, B.S.

ALPHA OMEGA ALPHA RESEARCH PRIZE

Melvin Leonard Goldman, A.B.

ALPHA OMEGA ALPHA BOOK PRIZE

Ernest Tuttle Rouse, Jr., B.S.

ALUMNI SCHOLARSHIP

Margaret Boyd Meyn, A.B., B.S.

HOWARD A. MCCORDOCK BOOK PRIZE

David English Smith, Jr., A.B.

SIDNEY I. SCHWAB BOOK PRIZES

Samuel Oleesky, B.S.
David Tredway Graham, A.B., M.A.

NU SIGMA NU AWARDS

David English Smith, Jr., A.B.
John Courtwright Herweg, B.S.

PRIZES AWARDED AT COMMENCEMENT

December 12, 1943

GILL PRIZE IN ANATOMY

Gladden V. Elliott, A.B.

ALPHA OMEGA ALPHA FRATERNITY PRIZE

Samuel Oleesky, B.S.

HOWARD A. MCCORDOCK BOOK PRIZE IN PATHOLOGY

George Maurice Kalmanson, B.S., M.S., Ph.D.

ROSTER OF STUDENTS

FOURTH YEAR CLASS (March-December, 1943)

- Alex, Morris, B. S., Univ. of Mo., '42—St. Joseph, Mo.
 Alford, Almond Wade, A.B., Univ. of Ala., '40—Winfield, Ala.
 Allen, Jerry Harrison, Jr., A.B., Univ. of N. C., '38; M.A., Univ. of N. C., '40—Reidsville, N. C.
 Allred, H. Lawrence, A.B., Fresno State Coll., '40—Madera, Calif.
 Alsop, Webb Strange, Jr., A.B., Univ. of Mo., '39; B.S., Univ. of Mo., '42—New Franklin, Mo.
 Asel, Norman Donald, A.B., Westminster Coll., '39—Washington, Mo.
 Black, John Paul Myles, B.S., Univ. of N. M., '40—Carlsbad, N. M.
 Blinn, John Ferguson, Jr., A.B., Coll. of the Pacific, '40—Stockton, Calif.
 Blumenschein, John Charles, B.S., Iowa St. Coll. of Agri. & Mech. Arts, '40—Ames, Iowa.
 Boles, Clifford Read, A.B., Washington Univ., '40—University City, Mo.
 Bondurant, Bryce Harold, A.B., Northeast Mo. St. Teachers Coll., '36—Kirksville, Mo.
 Castile, Daniel Shetler, A.B., Fresno State Coll., '39—Le Grand, Calif.
 Chappell, Frances May, A.B., Washington Univ., '40—St. Louis, Mo.
 Clay, Joseph Baker, A.B., San Diego St. Coll., '40—La Mesa, Calif.
 Compton, James Richard, A.B., Washington Univ., '40—Memphis, Tenn.
 Costner, Alfred Nixon, B.S., Univ. of N. C., '40—Lincolnton, N. C.
 Covington, Terrell, Jr., A.B., Washington Univ., '40—Muskogee, Okla.
 Cravens, James Hewitt, B.S., Univ. of Ill., '41—Collinsville, Ill.
 Czebrinski, Edward Walter, A.B., Washington Univ., '40—St. Louis, Mo.
 De Bold, Conrad, A.B., Park Coll., '41—New York, N. Y.
 Donley, Leo Francis, Jr., B.S., Univ. of Dayton, '40—St. Louis, Mo.
 Dwyer, Frank Xavier, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—Kansas City, Mo.
 Eisenhauer, John Herman, B.S., St. Coll. of Wash., '40—Post Falls, Idaho.
 Engleman, Reinhold, B.S., Ind. St. Teachers Coll., '40—St. Louis, Mo.
 Erickson, William Gardner, B.S., Northwestern Univ., '40—Danville, Ill.
 Fernau, Walter August, Jr., A.B., Washington Univ., '39—Belleville, Ill.
 Finsten, Herman Ludwig, B.A., Univ. of N. D., '30; B.S., Univ. of N. D., '32; M.S., Univ. of N. D., '32; B.S. in Med., Univ. of N. D., '42—Grand Forks, N. D.
 Fritz, Herbert Carl, A.B., Washington Univ., '40—Bunker Hill, Ill.
 Fukushima, Yasuyuki, B.S., Univ. of Hawaii, '40—Wahiawa, Oahu, Hawaii.
 Geppert, Joseph Walter, A.B., Univ. of S. D., '38—Vermillion, S. D.
 Geppert, Thomas Vincent, B.S., Univ. of S. D., '42—Vermillion, S. D.
 Goldfarb, Alvin, A.B., Washington Univ., '40—St. Louis, Mo.
 Gottschalk, Louis August, A.B., Washington Univ., '40—St. Louis, Mo.
 Graham, David Tredway, A.B., Princeton Univ., '38; M.A., Yale Univ., '41—St. Louis, Mo.
 Grant, Harold M., A.B., Washington Univ., '40—Bronx, N. Y.
 Greenwood, Ben Sam., B.S., Univ. of Ill., '39; M.S., Univ. of Ill., '40—Champaign, Ill.
 Guemmer, Gerald Edwin, A.B., Washington Univ., '40—New Holland, Ill.
 Guhleman, Henry Valdean, A.B., William Jewell Coll., '39; B.S., Univ. of Mo., '42—Jefferson City, Mo.
 Haddock, James Nelson, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42; M.A., Univ. of Mo., '42—Cape Girardeau, Mo.
 Hewitt, Archie Lee—Maplewood, Mo.
 Hewitt, Helen, A.B., Washington Univ., '40—St. Louis, Mo.
 Hodges, William Wilson, A.B., Univ. of Ala., '40—Tuscaloosa, Ala.
 Ingram, John Samuel, A.B., Univ. of Ore., '40—Pendleton, Ore.
 Jones, Richard Arthur, A.B., Westminster Coll., '40—St. Louis, Mo.
 Jones, William Hammond, A.B., Univ. of Miss., '36; B.S., Univ. of Miss., '42—French Camp, Miss.
 Jordan, Mary, A.B., Univ. of Mo., '40—Webster Groves, Mo.
 Joslyn, Howard Pratt, B.S., Northwestern Univ., '40—Oak Park, Ill.
 Kennedy, Walter James, A.B., Univ. of Mo., '39; B.S., Univ. of Mo., '42—Sedalia, Mo.
 Kettenbach, Edward Leland, B.S., Univ. of Ariz., '40—Tucson, Ariz.
 Kowert, Edward Harry, A.B., Washington Univ., '40—St. Louis, Mo.
 Krebs, David Evans, A.B., Washington Univ., '40—Sioux City, Iowa.
 Krebs, Edwin Gerhard, A.B., Univ. of Ill., '40—Greenville, Ill.
 Krems, Abraham David, B.S., Univ. of Wash., '37; Ph.D., Univ. of Wash., '40—Seattle, Wash.
 Larsen, Boyd Joseph, A.B., Brigham Young Univ., '40—Lehi, Utah.
 Lawler, Harry James, B.S., Univ. of Ill., '36; D.Sc., Johns Hopkins Univ., '40—Chicago, Ill.
 Lichtwardt, Harry Edward, A.B., Oberlin Coll., '40—Rio de Janeiro, Brazil.
 Lince, Elaine Kingsbacher, A.B., Univ. of Calif. at Los Angeles, '40—Pasadena, Calif.
 Luikart, Ralph Herbert, Jr., A.B., Grinnell Coll., '40—Omaha, Nebr.

- Lyda, Wood, B.S., Univ. of Wash., '40—Seattle, Wash.
 Makley, Torrence Aloysius, Jr., B.S., Univ. of Dayton, '40—Dayton, Ohio.
 Mallory, Joseph Ross, A.B., Municipal Univ. of Wichita, '39—Arlington, Kans.
 Matheson, Earl Wood, B.S., Univ. of Ill., '40—Neponset, Ill.
 Mazur, Herbert Arthur—University City, Mo.
 McElroy, Glenn Leslie, A.B., Central Coll., '40—New Franklin, Mo.
 McQueen, Kent, B.S., Univ. of Idaho, '38—Preston, Idaho.
 Meisenheimer, Martin Peter—Oak Park, Ill.
 Meyn, Margaret F. Boyd, A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—Mt. Vernon, Mo.
 Middleton, William Harry, A.B., Oberlin Coll., '40—Alton, Ill.
 Miller, William Joseph, B.S., Washburn Coll., '40—Topeka, Kans.
 Moore, Andrew Maurice, A.B., Washington and Lee Univ., '40—St. Louis, Mo.
 Moore, Stanley Wayne—Vandalia, Ill.
 Motley, Cornealia Ellis, A.B., Univ. of Mo., '35; M.A., Univ. of Mo., '37; B.S., Univ. of Mo., '40—Columbia, Mo.
 Mundy, Carroll Francis, B.S., Northwestern Univ., '40—St. Joseph, Mo.
 Neils, Julius Karl, A.B., Reed Coll., '40—Portland, Ore.
 Oleesky, Samuel, B.S., Manchester Univ., '41—Manchester, Eng.
 Owen, James Griffith, B.S., Monmouth Coll., '40—Monmouth, Ill.
 Parker, Harold Graham, B.S., Univ. of Mo., '42—Kansas City, Mo.
 Pratt, Aisey Clements, Jr., A.B., Univ. of Ala., '40—Centerville, Ala.
 Price, William Phillip—Oswego, Kans.
 Quick, James Chilton, A.B., W. Va. Univ., '41; B.S., W. Va. Univ., '42—Clendenin, W. Va.
 Quinn, James Henry—Independence, Mo.
 Ramsdell, Stuart Talmage, A.B., Univ. of Mo., '40; B.S., Univ. of South Dakota, '42—Flandreau, S. D.
 Ray, Weldon Arnold, A.B., Univ. of Ala., '38—Tuscaloosa, Ala.
 Rohlfing, Walter Alfred, Jr., A.B., Washington Univ., '40—St. Louis, Mo.
 Rose, Ira Woodall, Jr., B.S., Davidson Coll., '42—Rocky Mount, N. C.
 Scheer, George Edward, A.B., Municipal Univ. of Wichita, '40—Wichita, Kans.
 Schrieker, James Louis, Jr., A.B., Univ. of Utah, '39—Salt Lake City, Utah.
 Schwartz, Ernest, A.B., Univ. of Calif., '38; M.A., Univ. of Calif., '39—San Francisco, Calif.
 Shaw, Carvel Thomas, B.S., Univ. of Mich., '39—Detroit, Mich.
 Shatz, Burton Albert, A.B., Washington Univ., '40—St. Louis, Mo.
 Shigeoka, Edward H.—Makaweli, Hawaii.
 Silvermintz, Saul Don, A.B., Washington Univ., '40—Clayton, Mo.
 Sledge, James Nathan, B.S., Birmingham-Southern Coll., '39—Greensboro, Ala.
 Sleeter, Richard L., B.S., Univ. of Ore., '40—Medford, Ore.
 Smith, Donald Eugene, A.B., Univ. of Utah, '40—Salt Lake City, Utah.
 Spillane, Richard Judd, A.B., Dartmouth Coll., '41—Bloomfield, Conn.
 Sprenger, Lucille Audrey, A.B., Univ. of Wis., '40—Peoria, Ill.
 Stadtnr, David Allan, A.B., Fresno St. Coll., '40—San Francisco, Calif.
 Stauffer, Tom Goodman, A.B., Washington Univ., '40—St. Louis, Mo.
 Sudholt, Alfred Felix, Jr., A.B., Univ. of Mo., '40; B.S., Univ. of Mo., '42—St. Louis, Mo.
 Sullivan, Daniel Francis—East St. Louis, Ill.
 Swift, Robert Howard, A.B., Univ. of Calif., '39—Piedmont, Calif.
 Tagge, James Fredrick, A.B., Univ. of Okla., '41—Enid, Okla.
 Thorne, Wiley Kellett, A.B., William Jewell Coll., '40—Mountain Grove, Mo.
 Tichenor, Robert Woodrow, B.S., St. Louis Coll. of Pharm., '39; A.B., Washington Univ., '41—Sappington, Mo.
 Tigert, Russell, Jr., B.S., Univ. of Idaho, '37—Soda Springs, Idaho.
 Trueblood, Alva Cooper, Jr., A.B., Washington Univ., '40—Webster Groves, Mo.
 Vest, James Christopher, B.S., W. Va. Univ., '42—Whitesville, W. Va.
 Walters, Harold Eugene, A.B., Stanford Univ., '40—San Jose, Calif.
 Welborn, William Singleton, B.S., Univ. of Mo., '42—St. Louis, Mo.
 Westcott, Robert Jean, A.B., Univ. of Mo., '41; B.S., Univ. of Mo., '42—Knox City, Mo.
 Wiegand, Herbert Charles, A.B., Washington Univ., '40—St. Louis, Mo.
 Wilson, John Alfred, A.B., Knox Coll., '40—Pekin, Ill.
 Woolsey, Carl Taliaferro, A.B., Univ. of Utah, '40—Salt Lake City, Utah.
 Yeager, Helen Elizabeth, A.B., Central Coll., '40—Palmyra, Mo.
 Young, Lafayette, Jr., A.B., Washington Univ., '40—Alton, Ill.

Total, 116

THIRD YEAR CLASS (March-December, 1943)

- Armstrong, Bruce Wendel, B.A., Mont. St. Univ., '41—Saco, Mont.
 Bercu, Bernard, Aran—St. Louis, Mo.
 Bessman, Samuel Paul—Newark, N. J.
 Birenholm, Irwin Myron, A.B., Washington Univ., '42—Kansas City, Mo.
 Bisbee, Rowe Farnsworth—Los Angeles, Calif.
 Brown, Ivan Eugene, B.A., Univ. of S. D., '42—Webb, Iowa.
 Bullock, Albert Abbot, Jr., B.S., Northwestern Univ., '41—Milwaukee, Wis.
 Burch, Buford Hale, A.B., Univ. of Mo., '41; B.S., '43—Kansas City, Mo.
 Burress, Julian Hunt, B.S., Univ. of Miss., '42—Corinth, Miss.

- Callaway, Guy D., Jr.—Springfield, Mo.
 Campbell, James Edwin, A.B., Univ. of Mo., '42; B.S., '43—Brookfield, Mo.
 Cassel, William Joseph, Jr., B.S., Univ. of Ill., '41—Chicago, Ill.
 Citron, David Sanford, A.B., Univ. of N. C., '41—Charlotte, N. C.
 Clough, John, A.B., Univ. of Mo., '41; B.S., '43—Maysville, Mo.
 Cole, Jack Westley, A.B., Univ. of Ore., '43—Eugene, Ore.
 Davis, Edgar Wayne, A.B., William Penn Coll., '31; B.S., Univ. of S. D., '43—
 Givin, Iowa.
 Davis, James Wilson, A.B., Univ. of Ariz., '41—Tucson, Ariz.
 Deconne, Gabriel Nino, A.B., Pomona Coll., '40—Hollywood, Calif.
 Dehlinger, Klaus Rene—Emporium, Pa.
 Deisher, Robert William, A.B., Knox Coll., '41—Kewanee, Ill.
 Doherty, Dale Donald, B.S., Ore. St. Coll., '40—Freewater, Ore.
 Donaldson, Robert Clinton, A.B., Univ. of Mo., '41—Sheldon, Mo.
 Doyle, Joseph Preston, A.B., Central Coll., '42—East Prairie, Mo.
 Eisenstein, Albert Bernard, A.B., Univ. of Mo., '41—Doniphan, Mo.
 Exon, Charles Stuart, A.B., Univ. of Kans., '41—Wichita, Kans.
 Fargotstein, Ralph, B.S., Univ. of Pittsburgh, '38—Pittsburgh, Pa.
 Fee, Wes Street, A.B., Univ. of Ariz., '41—Tucson, Ariz.
 Foster, Jack Lee, A.B., Univ. of Mo., '42; B.S., '43—Lesterville, Mo.
 Frost, Jack Keith, A.B., Washington Univ., '41—Centralia, Ill.
 Gallagher, Joseph Charles, B.S., Univ. of Toledo, '41—Rossford, Ohio.
 Greenberg, Irving Melbourne, A.B., Hofstra Coll., '40; M.A., Duke Univ., '41—
 Hempstead, N. Y.
 Hansen, Robert Harold, A.B., Univ. of Calif., '40—San Francisco, Calif.
 Henry, James Farthing—East St. Louis, Ill.
 Hensel, Albert Earl, Jr., A.B., Univ. of Mo., '41—Washington, D. C.
 Hieb, Wilbert Edgar, B.S., Univ. of S. D., '43—Marion, S. D.
 Hodge, Robert Henry—North Kansas City, Mo.
 Hughes, Gerald Edwin, III, B.S., Univ. of Mo., '43—Kansas City, Mo.
 Hunt, Russell Brooks, A.B., W. Va. Univ., '42; B.S., '43—Clendenin, W. Va.
 Hurder, William Paul—Evansville, Ind.
 Hutchinson, Henry Hamilton, A.B., Univ. of Ala., '41—Montgomery, Ala.
 Irving, Edward Palmore, A.B., Phillips Univ., '41—Norfolk, Va.
 Johnston, Freeman, Leon, B.S., Univ. of Ark., '41—Vandervoort, Ark.
 Jolly, William Hardin, A.B., Univ. of Mo., '42; B.S., '43—St. Charles, Mo.
 Jones, Reed Walton, Jr., B.S., Southeastern St. Coll., '37—Denison, Tex.
 Kempinsky, Warren Hamilton, B.S., Univ. of Wash., '41—Seattle, Wash.
 Kempster, Stephen Wells, A.B., Univ. of Mo., '41; B.S., '43—Columbia, Mo.
 Kirksey, William Albert, A.B., Univ. of N. C., '41—Fayetteville, N. C.
 Kraft, Jacob, A.B., Univ. of Kansas City, '41; B.S., Univ. of Mo., '43—Kansas
 City, Mo.
 Kronenberg, Rose Tesser, A.B., Brooklyn Coll., '41—Brooklyn, New York.
 Lange, Robert Dale, A.B., Macalester Coll., '41—Minneapolis, Minn.
 Lanier, Raymond Ray, Jr., A.B., Univ. of Richmond, '35; Ph.D., Washington
 Univ., '39—St. Louis, Mo.
 Lawrence, Fred Eugene, A.B., Univ. of Ala., '42—Mobile, Ala.
 Lawrence, William Emory, B.S., Birmingham-Southern Coll., '38—Mobile, Ala.
 LeGrand, David Douglas, B.S., Univ. of Wash., '38—Colby, Wash.
 Levine, Ervan Lester, A.B., Washington Univ., '41—Suffern, N. Y.
 Lieppman, Bernard Sylvester, A.B., Washington Univ., '41—Kansas City, Mo.
 Ling, Alexander—Chungking, China.
 Loeb, Virgil, Jr.—St. Louis, Mo.
 Luncford, Tennie Mae—Lanett, Ala.
 Lynch, Patrick Alan—Omaha, Nebr.
 Manry, Clayton Hunter, A.B., Univ. of Mich., '41—Spring Hill, Ala.
 Marbury, Benjamin Edward, A.B., Univ. of Mo., '39; M.S., La. St. Univ., '41;
 B.S., Univ. of Mo., '43—St. Louis, Mo.
 Marshall, Homer Clayton, Jr., A.B., Univ. of Colo., '41—Longmont, Colo.
 Mason, Edward Allen, A.B., Washington Univ., '41—Orange, N. J.
 Meagher, Arthur James, B.S., Univ. of Mo., '43—St. Louis, Mo.
 Mill, Walter Clark, B.S., Univ. of Mo., '43—Sikeston, Mo.
 Miller, Don Edward—Kingman, Kans.
 Mills, Mary Alexander, A.B., Washington Univ., '41—Quincy, Ill.
 Mize, William Brownson, A.B., Washington and Lee Univ., '41—Atchison, Kans.
 Moss, William Thomas, B.S., The Citadel, '39; B.S., Univ. of Mo., '43; M.A.,
 '43—Columbia, Mo.
 Murfin, Walter Warren, A.B., James Millikin Univ., '41—Decatur, Ill.
 Murphy, John William, Jr., A.B., Washington Univ., '41—Kirkwood, Mo.
 Neumann, Roland Ferdinand, Jr., A.B., Univ. of Mo., '42; B.S., '43—St. Louis,
 Mo.
 Nielson, Paul Ellis, A.B., Univ. of Utah, '36; M.A., '38; Ph.D., Univ. of Wis.,
 '41—Salt Lake City, Utah.
 Noller, Henry William, A.B., Univ. of Kans., '41—Topeka, Kans.
 Nottingham, Robert Julian, B.S. in Agr., W. Va. Univ., '41, B.S., in Med., '43—
 Morgantown, W. Va.
 Ochs, Lamar Herman, A.B., Washington Univ., '41—Lebanon, Ill.
 Oliver David Rives, A.B., Univ. of Mo., '41—Cape Girardeau, Mo.
 Owensby, Lindell Cook—Linden, Ala.
 Palmer, Marion Elizabeth, A.B., Stanford Univ., '38—Portland, Ore.

Payne, John William, B.S., Univ. of Ill., '40—Danville, Ill.
 Pennington, Francis Eugene, Jr., A.B., Washington Univ., '41—St. Louis, Mo.
 Perkins, Robert Browning, A.B., Rice Inst., '41—Dallas, Texas.
 Perman, Harvey Henry, B.S., Univ. of S. D., '43—Eureka, S. D.
 Pollock, Ira O., A.B., Northeast Mo. St. Teachers Coll., '41; B.S., '41—Powersville, Mo.
 Pursell, Marvin Tatum, A.B., Washington Univ., '41—St. Louis, Mo.
 Reger, Robert Fuller, A.B., W. Va. Univ., '42—Clarksburg, W. Va.
 Ritzmann, Dorothy Reese, A.B., Valparaiso Univ., '40—Concordia, Mo.
 Roberts, Richard Sappington, B.S., Univ. of Mo., '43—Trenton, Mo.
 Robinson, James Ernest, Jr., A.B., Univ. of Texas, '42—Temple, Texas.
 Rodgers, Elrie Parker, A.B., W. Va. Univ., '42; B.S., '43—Morgantown, W. Va.
 Rupp, John Jacob, B.S., Univ. of Idaho, '40; M.S., '41—Coeur d'Alene, Idaho.
 Scott, Robert McKay, A.B., Washington Univ., '41—Glendale, Mo.
 Simril, Wayne Alvin, A.B., Culver-Stockton Coll., '41—Canton, Mo.
 Smith, David English, Jr., A.B., Central Coll., '41—Bonne Terre, Mo.
 Stacy, Archie Jackson, Jr., A.B., Univ. of Miss., '41—Tupelo, Miss.
 Stewart, Albert, Jr., A.B., Univ. of N. C., '41—Fayetteville, N. C.
 Stricker, Harold Carl, A.B., Central Coll., '40; B.S., Univ. of Mo., '43—St. Louis, Mo.
 Talmage, David Wilson, B.S., Davidson Col., '41—Montreat, N. C.
 Timrud, David Hugh, A.B., Denison Univ., '41—Richmond Heights, Mo.
 Vermillion, Crofford Oliver, A.B., De Pauw Univ., '39—Anderson, Ind.
 Walker, Duane Ray, A.B., Univ. of Mo., '42; B.S., '43—Clark, Mo.
 Walther, Roy Albert, Jr., B.S., Univ. of Mo., '43—Overland, Mo.
 Weaver, James Robert, A.B., Washington Univ., '41—Wichita, Kans.
 Weisfuse, Louis, B.S., Coll. of the City of N. Y., '36—Brooklyn, N. Y.
 Williams, Roy Williamson, A.B., Univ. of Ala., '41—Kinston, Ala.
 Williford, Robert Francis, A.B., Univ. of Ala., '42—Birmingham, Ala.
 Wolf, George Glenn, A.B., Fresno St. Coll., '42—Fresno, Calif.
 Wood, Kenneth Fowler—Leeds, England.

Total, 109

SECOND YEAR CLASS (March-December, 1943)

Atwood, John Morris, A.B., Washington and Lee Univ., '42—Carrollton, Mo.
 Austin, Leo Rex—Chandler, Ariz.
 Baltrusch, Oscar William—Billings, Mont.
 Bates, George Comer, A.B., Univ. of Mo., '42—Jefferson City, Mo.
 Beckmann, George Edmund, Jr., A.B., Washington Univ., '42—Kirkwood, Mo.
 Bentley, Maxwell Dean, B.S., Univ. of Idaho, '40—Royal Oak, Mich.
 Berg, Ralph, Jr.—Spokane, Wash.
 Bergmann, Martin, A.B., Washington Univ., '42—St. Louis, Mo.
 Bond, Robert Martin—Lewiston, Idaho.
 Bopp, Henry William, Jr.—Terre Haute, Ind.
 Brereton, Robert Loftus, A.B., Washington Univ., '42—Kirkwood, Mo.
 Bronson, Shael Stanley—St. Louis, Mo.
 Brown, James Andrew, B.S., Univ. of Ariz., '42—Tucson, Ariz.
 Brown, Roger Williams, A.B., Univ. of Utah, '42—Ogden, Utah.
 Bussmann, Donald William, A.B., Princeton Univ., '42—St. Louis, Mo.
 Conerly, Ethel Claire—Jackson, Ala.
 Conrad, Marshall Baker, A.B., Westminster Coll., '42—Webster Groves, Mo.
 Cowdry, Edmund Vincent, Jr., A.B., Princeton Univ., '42—St. Louis, Mo.
 Dabbs, Clyde Harwell, Jr.—Tupelo, Miss.
 Edison, Thomas George, A.B., Washington Univ., '42—St. Louis, Mo.
 Ettleman, Walter Irvin, Jr., B.S., Univ. of N. M., '42—St. Louis, Mo.
 Everett, Ernest Frank, Jr., A.B., Colo. Coll., '42—Fowler, Colo.
 Farrar, John Thruston—Washington, D. C.
 Gantt, Ernest Sneed, Jr., A.B., Washington Univ., '42—Jefferson City, Mo.
 Gaunt, Frank Peyton, A.B., Washington Univ., '42—Webster Groves, Mo.
 Geren, Betty Ben, B.S., Univ. of Ark., '42—Fort Smith, Ark.
 Gibson, Jay Ogilvie, B.S., Univ. of Nev., '42—Litchfield, Calif.
 Good, James Tucker, A.B., Univ. of Kans., '42—Kansas City, Mo.
 Guze, Samuel Barry—The Bronx, N. Y.
 Hall, Robert Hubert—Salt Lake City, Utah.
 Herweg, John Courtright—Springfield, Mo.
 Hood, Thomas Knight—Elko, Nev.
 Ivins, Samuel Paul, A.B., Washington Univ., '42—Chester, Pa.
 Jacobs, Charles Christ, Jr., A.B., Washington Univ., '42—St. Louis, Mo.
 Jantz, Walter Leon, A.B., Whitman Coll., '41—Walla Walla, Wash.
 Jayne, Valmor Edwin—Mansfield, Wash.
 Johnson, William Fray, B.S., Drury Coll., '42—Ozark, Mo.
 Johnstone, John T., Jr., A.B., Westminster Coll., '42—Webster Groves, Mo.
 Kalmanson, George Maurice, B.S., Coll. of the City of New York, '34; M.S., Univ. of Ill., '36; Ph.D., Washington Univ., '39—St. Louis, Mo.
 Kelly, Frank Joseph—Kansas City, Mo.
 Kilker, Donald Edwin, A.B., Washington Univ., '42—St. Louis, Mo.
 Koppenbrink, Walter Edwin, A.B., Univ. of Mo., '42—Higginsville, Mo.
 Lambotte, Louis Oscar, B.S., Univ. of Ark., '42—Fort Smith, Ark.
 Lanier, Andrew Stephens, B.A., Washington and Lee Univ., '42—Alexandria, Va.

Leight, Leonard, A.B., Washington Univ., '42—New York, N. Y.
 Lewis, Ceylon Smith, Jr., A.B., Washington Univ., '42—Muskogee, Okla.
 Lockett, Edgar Nathaniel, Jr.—Johnson City, Tenn.
 Luce, Ralph Raymond, B.S., Univ. of Idaho, '41; M.S., Univ. of Idaho, '42—
 Moscow, Idaho.
 Mackey, Oliver Monroe, Jr.—Lewiston, Idaho.
 Marr, James Carlton, Jr.—Boise, Idaho.
 Mehler, Alan Haskell, A.B., Washington Univ., '42—St. Louis, Mo.
 Mitchell, Harold High, B.S., Univ. of Ariz., '36; M.S., Univ. of Southern Calif.,
 '38—St. Louis, Mo.
 Musser, Richard Eric, B.S., Coll. of Puget Sound, '42—Tacoma, Wash.
 Olson, Arthur John—Malo, Wash.
 Polack, Robert Theodore—Clayton, Mo.
 Price, Edwin Fletcher, Jr., A.B., Univ. of Kans., '42—Lawrence, Kans.
 Prothro, George William, B.S., Univ. of N. M., '42—Clovis, N. M.
 Ramsey, Robert Henry—Fort Smith, Ark.
 Reeves, Gerald Andrew, A.B., Northeast Mo. State Teach. Coll., '42—Kirksville,
 Mo.
 Rhodes, Jack Richard, B.S., Univ. of Wyo., '43—Sheridan, Wyo.
 Richardson, Robert James, A.B., Univ. of Kans., '41—Fort Scott, Kans.
 Ritzmann, Leonard Walter, A.B., Valparaiso Univ., '42—Quincy, Ill.
 Roberts, John Payne, A.B., Washington Univ., '41—Webster Groves, Mo.
 Ruby, Robert Holmes—Mabton, Wash.
 Rupe, Clarence Earl, A.B., Baker Univ., '41—Kansas City, Mo.
 Sanneman, Everett Herman, Jr.—E. St. Louis, Ill.
 Schulz, Clarence Gallagher—St. Charles, Mo.
 Smith, Benjamin Franklin, Jr.—Jackson, La.
 Smith, Charles Graening—Hotfield, Ark.
 Spitze, Edward Christian, Jr., A.B., Univ. of Ill., '42—East St. Louis, Ill.
 Sweazy, Donald Lee—Cowden, Ill.
 Sylvester, Robert Francis, Jr., A.B., James Millikin Univ., '42—Decatur, Ill.
 Taylor, Eugene Emerson, B.S., Univ. of Idaho, '42—Moscow, Idaho.
 Thatcher, Alan Hal—Preston, Idaho.
 Tuthill, Sanford Werner, A.B., Washington Univ., '42—Centralia, Ill.
 Van Petten, George Turell—Milwaukee, Wis.
 Waters, Hugh Robert, B.S., Northwestern Univ., '42—Wisconsin Rapids, Wis.
 Watkins, Gladys, A.B., Washington Univ., '42—Alton, Ill.
 Webb, Gerald Edward—Harrisburg, Ill.
 Weinhaus, Robert Stanley—St. Louis, Mo.
 Winkler, R. Kenneth, A.B., Fresno St. Coll., '43—Fresno, Calif.
 Wissner, Seth Ernst, A.B., Washington Univ., '42—Normandy, Mo.
 Wolfson, Charles, A.B., Univ. of Kansas, '29; Ph.D., '39—Lawrence, Kans.
 Wood, Gary Bedford—Webster Groves, Mo.
 Yost, Paul Wesley, B.S., McKendree Coll., '42—Lebanon, Ill.

Total, 85

FIRST YEAR CLASS (March-December, 1943)

Adams, Raymond John, B.S., St. Coll. of Wash., '40—Seattle Wash.
 Bailey, Drennan—University City, Mo.
 Barrow, Jack—Carbondale, Ill.
 Bates, Raymond Robert—Tucson, Ariz.
 Bernstein, Maurice Harry—University City, Mo.
 Bonebrake, Mac Donald—Salem, Mo.
 Brownlie, Arthur Roy, Jr.—St. Louis, Mo.
 Busch, Ralph Bering, Jr.—Webster Groves, Mo.
 Chamberlain, Gilbert Lee, Jr.—New Franklin, Mo.
 Cheaney, Mary Davis, A.B., Washington Univ., '41—St. Louis, Mo.
 Cornfield, Morris—University City, Mo.
 Crouch, Warner Latta, Jr.—Fairview, Ill.
 Daniel, William Gilbreath, A.B., Northeast Mo. St. Teach. Coll., '41—La Plata,
 Mo.
 Deane, Garrett Earle, A.B., Westminster Coll., '43—Clayton, Mo.
 De Huff, Ann Wilson, A.B., Univ. of N. M., '36; B.S., Simmons Coll., '37; M.S.,
 '38—Santa Fe, N. M.
 Elders, Frank Alvin, Jr.—De Soto, Mo.
 Elliott, Gladden V., A.B., Central Coll., '43—Cabool, Mo.
 Ernst, Roland Percy—Kirkwood, Mo.
 Ewing, George Marvin—Brookfield, Mo.
 Farnsworth, Patricia Anne, A.B., Washington Univ., '40—Webster Groves, Mo.
 Farrier, Robert Milton—E. St. Louis, Ill.
 Franklin, Charles Wolf, A.B., Washington Univ., '43—St. Louis, Mo.
 Freedman, Sanford Julian, A.B., Harvard Coll., '43—Boston, Mass.
 French, Herbert Alfred, A.B., Univ. of Mo., '43—Columbia, Mo.
 Fryback, William Herbert—Colorado Springs, Colo.
 Funsch, Robert Edwin—Richmond Heights, Mo.
 Gallagher, Donald M.—Rossford, Ohio.
 Gibstine, Marvin H.—St. Louis, Mo.
 Gunn, Jack, A.B., Westminster Coll., '43—Versailles, Mo.
 Halbrecht, Samuel Abraham, A.B., Columbia Univ., '40—Brooklyn, N. Y.

Hall, Gilbert Richard—Spirit Lake, Iowa.
 Harrison, Wiley Haxton, A.B., Grinnell Coll., '42—Guthrie Center, Iowa.
 Hawkins, Richard Dale—Bedford, Ind.
 Hayward, Boyd Edwards, B.S., Univ. of Chicago, '42—Logan, Utah.
 Hill, Maxine Leora, A.B., Washington Univ., '43—E. St. Louis, Ill.
 Hoffman, Howe Cummings—Geyerville, Calif.
 Huckstep, Robert Arnold, A.B., Washington Univ., '43—St. Louis, Mo.
 Inglis, Ervine Peter, Jr., A.B., Grinnell Coll., '43—Webster Groves, Mo.
 Ishii, Albert Hiroshi—Lihue, Kauai, T. H.
 Johnson, Eugene Parr—Casey, Ill.
 Jolley, Harold Numan, A. B., Washington Univ., '43—Wood River, Ill.
 Jones, Edward Rickert—Richmond Heights, Mo.
 Kacalleff, Louis Dimitar, A.B., Westminster Coll., '42—Madison, Ill.
 Kieffer, Victor Barcroft, A.B., Washington Univ., '43—University City, Mo.
 King, George Wales—St. Louis, Mo.
 Kirkham, Lindsay Jack—Independence, Mo.
 Koehler, John William—Webster Groves, Mo.
 Langan, Benedict Merry, A.B., Washington Univ., '43—St. Louis, Mo.
 Lee, Robert Edward—Webster Groves, Mo.
 Lemen, Joseph James, Jr.—St. Louis, Mo.
 Luer, Carlyle August—Alton, Ill.
 Magallon, Robert Adrien—Seattle, Wash.
 McConnell, Robert Blythe—St. Joseph, Mo.
 Merrill, Robert Scott, B.S., Hamilton Coll., '43—Milwaukee, Wis.
 Nauert, Nicholas Henry, Jr.—St. Louis, Mo.
 Nelson, Hans-Gerhardt Ernst—Colorado Springs, Colo.
 Nelson, Robert Eugene—Pierre, S. D.
 Nicolai, Charles Herbert, A.B., Washington Univ., '43—Clayton, Mo.
 Old, Jacob Wise, Jr., B.S., Va. Poly. Inst., '42—Joplin, Mo.
 O'Neal, Lawrence W.—St. Charles, Mo.
 Owen, James Wilson, Jr.—Skiatook, Okla.
 Parkhill, Homer Carroll, B.S., Beloit Coll., '43—Pontiac, Ill.
 Patt, Walter Henry, Jr., A.B., Washington Univ., '43—St. Joseph, Mo.
 Perry, Horace Mitchell—Woodmere, N. Y.
 Rauber, Albert Paul, B.S., Capital Univ., '43—Auburn, Ala.
 Reynolds, Beverly Lee, A.B., Washington Univ., '43—Clayton, Mo.
 Rhodes, Helen Hunter, A.B., Univ. of Ala., '43—Mobile, Ala.
 Rutledge, Robert Cunningham, Jr., A.B., Rice Inst., '42—Houston, Texas.
 Schmidt, Arthur Earl—Ferguson, Mo.
 Schropp, Rutledge Clifton—Des Moines, Iowa.
 Schuman, Arnold, A.B., Washington Univ., '42—St. Louis, Mo.
 Seabaugh, Loy Rush—Jackson, Mo.
 Shapleigh, John Blasdel II—St. Louis, Mo.
 Sisk, James Cash, A.B., Washington Univ., '43—St. Louis, Mo.
 Slonim, Balfour—St. Louis, Mo.
 Snyderman, Sanford Charles—Kansas City, Mo.
 Taylor, Duane Russell, A.B., Ore. St. Coll., '42—Austin, Texas.
 Tharp, Dorothy Evelyn—N. Little Rock, Ark.
 Thiel, Stanley William—Ritzville, Wash.
 Vellios, Frank—St. Louis, Mo.
 Wald, Stanley Marvin—The Bronx, N. Y.
 Walker, Willard Bartlett—Bel Nor, St. Louis Co., Mo.
 Webster, Robert Nelson—Northwood, N. D.
 Wiedershine, Leonard J., A.B., Washington Univ., '43—St. Louis, Mo.
 Williams, Joseph Campbell, Jr.—Kansas City, Mo.
 Wilson, Siver A., B.S., Fla. Southern Coll., '43—Bradenton, Fla.

Total, 86.

SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

Fourth Year Class	116
Third Year Class	109
Second Year Class	85
First Year Class	86
Total,	396

SENIOR CLASS (January-September, 1944)

- Armstrong, Bruce Wendel, B.A., Mont. St. Univ., '41—Saco, Mont.
 Bercu, Bernard Aran—Portland, Oregon.
 Bessman, Samuel Paul—Newark, N. J.
 Birenboim, Irwin Myron, A.B., Washington Univ., '42—Kansas City, Mo.
 Bisbee, Rowe Farnsworth—Los Angeles, Calif.
 Brown, Ivan Eugene, A.B., Univ. of S. D., '42—Webb, Iowa.
 Bullock, Albert Abbot, Jr., B.S., Northwestern Univ., '41—Milwaukee, Wis.
 Burch, Buford Hale, A.B., Univ. of Mo., '41; B.S., '43—Kansas City, Mo.
 Burress, Julian Hunt, B.S., Univ. of Miss., '42—Corinth, Miss.
 Callaway, Guy D., Jr.—Springfield, Mo.
 Campbell, James Edwin, A.B., Univ. of Mo., '42; B.S., '43—Brookfield, Mo.
 Cassel, William Joseph, Jr., B.S., Univ. of Ill., '41—Chicago, Ill.
 Citron, David Sanford, A.B., Univ. of N. C., '41—Charlotte, N. C.
 Clough, John, A.B., Univ. of Mo., '41; B.S., '43—Maysville, Mo.
 Cole, Jack Westley, A.B., Univ. of Ore., '43—Eugene, Ore.
 Davis, Edgar Wayne, A.B., William Penn Coll., '31; B.S., Univ. of S. D., '42—
 Givin, Iowa.
 Davis, James Wilson, A.B., Univ. of Ariz., '41—Tucson, Ariz.
 Dehlinger, Klaus Rene—Emporium, Pa.
 Deisher, Robert William, A.B., Knox Coll., '41—Kewanee, Ill.
 Doherty, Dale Donald, B.S., Ore. St. Coll., '40—Freewater, Ore.
 Donaldson, Robert Clinton, A.B., Univ. of Mo., '41—Sheldon, Mo.
 Donnell, George Nino, A.B., Pomona Coll., '40—Hollywood, Calif.
 Doyle, Joseph Preston, A.B., Central Coll., '41—East Prairie, Mo.
 Elsenstein, Albert Bernard, A.B., Univ. of Mo., '41—Doniphan, Mo.
 Exon, Charles Stuart, A.B., Univ. of Kans., '41—Wichita, Kans.
 Fargotstein, Ralph, B.S., Univ. of Pittsburgh, '38—Pittsburgh, Pa.
 Fee, Wes Street, A.B., Univ. of Ariz., '41—Tucson, Ariz.
 Foster, Jack Lee, A.B., Univ. of Mo., '42; B.S., '43—Lesterville, Mo.
 Frost, Jack Keith, A.B., Washington Univ., '41—Centralla, Ill.
 Gallagher, Joseph Charles, B.S., Univ. of Toledo, '41—Rossford, Ohio.
 Greenberg, Irving Melbourne, A.B., Hofstra Coll., '40; M.A., Duke Univ., '41—
 Hempstead, N. Y.
 Hansen, Robert Harold, A.B., Univ. of Calif., '40—San Francisco, Calif.
 Henry, James Farthing—East St. Louis, Ill.
 Hensel, Albert Earl, Jr., A.B., Univ. of Mo., '41—Washington, D. C.
 Hieb, Wilbert Edgar, B.S., Univ. of S. D., '43—Marion, S. D.
 Hodge, Robert Henry—North Kansas City, Mo.
 Hughes, Gerald Edwin, B.S., Univ. of Mo., '43—Kansas City, Mo.
 Hunt, Russell Brooks, A.B., W. Va. Univ., '42; B.S., '43—Clendenin, W. Va.
 Hutchinson, Henry Hamilton, A.B., Univ. of Ala., '41—Montgomery, Ala.
 Irving, Edward Palmore, A.B., Phillips Univ., '41—Norfolk, Va.
 Johnston, Freeman Leon, B.S., Univ. of Ark., '41—Vandervoort, Ark.
 Jolly, William Hardin, A.B., Univ. of Mo., '42; B.S., '43—St. Charles, Mo.
 Jones, Reed Walton, Jr., B.S., Southeastern St. Coll., '37—Denison, Tex.
 Kempinsky, Warren Hamilton, B.S., Univ. of Wash., '41—Seattle, Wash.
 Kempster, Stephen Wells, A.B., Univ. of Mo., '41; B.S., '43—Columbia, Mo.
 Kirksey, William Albert, A.B., Univ. of N. C., '41—Fayetteville, N. C.
 Kraft, Jacob, A.B., Univ. of Kansas City, '41; B.S., Univ. of Mo., '43—Kansas
 City, Mo.
 Lange, Robert Dale, A.B., Macalester Coll., '41—Shakopee, Minn.
 Lanier, Raymond Ray, Jr., A.B., Univ. of Richmond, '35; Ph.D., Washington
 Univ., '39—St. Louis, Mo.
 Lawrence, Fred Eugene, A.B., Univ. of Ala., '42—Mobile, Ala.
 Lawrence, William Emory, B.S., Birmingham-Southern Coll., '38—Mobile, Ala.
 LeGrand, David Douglas, B.S., Univ. of Wash., '38—Colby, Wash.
 Levine, Ervan Lester, A.B., Washington Univ., '41—Suffern, N. Y.
 Lieppman, Bernard Sylvester, A.B., Washington Univ., '41—Kansas City, Mo.
 Ling, Alexander—New York, N. Y.
 Loeb, Virgil, Jr.—St. Louis, Mo.
 Lynch, Patrick Alan—Omaha, Nebr.
 Manry, Clayton Hunter, A.B., Univ. of Mich., '41—Spring Hill, Ala.
 Marbury, Benjamin Edward, A.B., Univ. of Mo., '39; M.S., La. St. Univ., '41;
 B.S., Univ. of Mo., '43—St. Louis, Mo.
 Marshall, Homer Clayton, Jr., A.B., Univ. of Colo., '41—Longmont, Colo.
 Mason, Edward Allen, A.B., Washington Univ., '41—Orange, N. J.
 Meagher, Arthur James, B.S., Univ. of Mo., '43—St. Louis, Mo.
 Miller, Don Edward—Kingman, Kans.
 Mills, Mary Alexander, A.B., Washington Univ., '41—Quincy, Ill.
 Mize, William Brownson, A.B., Washington and Lee Univ., '41—Atchison, Kans.
 Moss, William Thomas, B.S., The Citadel, '39; B.S., Univ. of Mo., '43; M.A.,
 '43—Columbia, Mo.
 Murfin, Walter Warren, A.B., James Millikin Univ., '41—Decatur, Ill.
 Murphy, John William, Jr., A.B., Washington Univ., '41—Kirkwood, Mo.
 Neumann, Roland Ferdinand, Jr., A.B., Univ. of Mo., '42; B.S., '43—St. Louis,
 Mo.
 Nielson, Paul Ellis, A.B., Univ. of Utah, '36; M.A., '38; Ph.D., Univ. of Wis.,
 '41—Salt Lake City, Utah.

Noller, Henry William, A.B., Univ. of Kans., '41—Topeka, Kans.
 Nottingham, Robert Julian, B.S., W. Va. Univ., '41; B.S., '43—Morgantown, W. Va.
 Ochs, Lamar Herman, A.B., Washington Univ., '41—Lebanon, Ill.
 Oliver, David Rives, A.B., Univ. of Mo., '41—Cape Girardeau, Mo.
 Owensby, Lindell Cook, B.S., Kansas State Coll., '43—Linden, Ala.
 Palmer, Marion Elizabeth, A.B., Stanford Univ., '38—Portland, Ore.
 Payne, John William, B.S., Univ. of Ill., '40—Danville, Ill.
 Pennington, Francis Eugene, Jr., A.B., Washington Univ., '41—St. Louis, Mo.
 Perkins, Robert Browning, A.B., Rice Inst., '41—Dallas, Texas.
 Perman, Harvey Henry, B.S., Univ. of S. D., '43—Eureka, S. D.
 Pollock, Ira O., A.B., Northeast Mo. St. Teachers Coll., '41; B.S., '41—Powersville, Mo.
 Pursell, Marvin Tatum, A.B., Washington Univ., '41—St. Louis, Mo.
 Ritzmann, Dorothy Reese, A.B., Valparaiso Univ., '40—Concordia, Mo.
 Roberts, Richard Sappington, B.S., Univ. of Mo., '43—Trenton, Mo.
 Robinson, James Ernest, Jr., A.B., Univ. of Texas, '42—Temple, Texas.
 Rodgers, Elrie Parker, Jr., A.B., W. Va. Univ., '42; B.S., '43—Morgantown, W. Va.
 Rupp, John Jacob, B.S., Univ. of Idaho, '40; M.S., '41—Coeur d'Alene, Idaho.
 Scott, Robert McKay, A.B., Washington Univ., '41—Glendale, Mo.
 Shier, Barbara Sanderson, A.B., Okla. Coll. for Women, '37—Burbank, Okla.
 Simril, Wayne Alvin, A.B., Culver-Stockton Coll., '41—Canton, Mo.
 Smith, David English, Jr., A.B., Central Coll., '41—Bonne Terre, Mo.
 Stacy, Archie Jackson, Jr., A.B., Univ. of Miss., '41—Tupelo, Miss.
 Stewart, Albert, Jr., A.B., Univ. of N. C., '41—Fayetteville, N. C.
 Stricker, Harold Carl, A.B., Central Coll., '40; B.S., Univ. of Mo., '43—St. Louis, Mo.
 Talmage, David Wilson, B.S., Davidson Col., '41—Montreat, N. C.
 Timrud, David Hugh, A.B., Denison Univ., '41—Richmond Heights, Mo.
 Walker, Duane Ray, A.B., Univ. of Mo., '42; B.S., '43—Clark, Mo.
 Walther, Roy Albert, Jr., B.S., Univ. of Mo., '43—Overland, Mo.
 Weisfuse, Louis, B.S., Coll. of the City of N. Y., '36—Brooklyn, N. Y.
 Williams, Roy Williamson, A.B., Univ. of Ala., '41—Kinston, Ala.
 Williford, Robert Francis, A.B., Univ. of Ala., '42—Birmingham, Ala.
 Wolf, George Glenn, A.B., Fresno St. Coll., '42—Fresno, Calif.

Total, 102.

THIRD YEAR CLASS (January-September, 1944)

Adams, John Pletch, B.S., Univ. of Mo., '43—St. Charles, Mo.
 Andrew, William Fredrick, B.S., Univ. of Mo., '43—Richmond, Mo.
 Atwood, John Morris, A.B., Washington and Lee Univ., '42—Carrollton, Mo.
 Baltrusch, Oscar William—Billings, Mont.
 Banton, Howard Stansell, Jr., B.S., Birmingham-Southern Coll., '43—Birmingham, Ala.
 Bates, George Comer, A.B., Univ. of Mo., '42—Jefferson City, Mo.
 Beckmann, George Edmund, Jr., A.B., Washington Univ., '42—Kirkwood, Mo.
 Bennett, Truett Vann—Asheville, N. C.
 Bentley, Maxwell Dean, B.S., Univ. of Idaho, '40—Royal Oak, Mich.
 Berg, Ralph, Jr., B.S., St. Coll. of Wash., '43—Spokane, Wash.
 Bergmann, Martin, A.B., Washington Univ., '42—St. Louis, Mo.
 Bond, Robert Martin, B.S., Wash. St. Coll., '43—Lewiston, Idaho.
 Bopp, Henry William, Jr.—Terre Haute, Ind.
 Brereton, Robert Loftus, A.B., Washington Univ., '42—Kirkwood, Mo.
 Bronson, Shael Stanley—St. Louis, Mo.
 Brown, James Andrew, B.S., Univ. of Ariz., '42—Tucson, Arizona.
 Brown, Roger Williams, A.B., Univ. of Utah, '42—Ogden, Utah.
 Bussmann, Donald William, A.B., Princeton Univ., '42—St. Louis, Mo.
 Conrad, Marshall Baker, A.B., Westminster Coll., '42—Richmond Heights, Mo.
 Cowdry, Edmund Vincent, Jr., A.B., Princeton Univ., '42—St. Louis, Mo.
 Croom, William Church, Jr., A.B., Univ. of N. C., '42—Jacksonville, Fla.
 Crouch, William Harvey, Jr., B.S., Univ. of Mo., '43—Linn, Mo.
 Dabbs, Clyde Harwell, Jr., B.S., Millsaps Coll., '43—Tupelo, Miss.
 Davis, James Othello, B.S., Northeastern St. Coll., Okla., '37; M.A., Univ. of Mo., '39; Ph.D., '42; B.S. in Med., '43—Columbia, Mo.
 Edison, Thomas George, A.B., Washington Univ., '42—St. Louis, Mo.
 Everett, Ernest Frank, Jr., A.B., Colorado Coll., '42—Fowler, Colo.
 Farrar, John Thruston, A.B., Princeton Univ., '43—Cincinnati, Ohio.
 Ferrill, H. Ward, A.B., Univ. of Mo., '30; Ph.D., Univ. of Chicago, '36—New Florence, Mo.
 Fitzpatrick, Thomas James, B.S., Univ. of Mo., '43—Jackson, Mo.
 Franklin, Harold Alvin, A.B., Washington Univ., '42; B.S., Univ. of Mo., '43—St. Louis, Mo.
 Gantt, Ernest Sneed, Jr., A.B., Washington Univ., '42—Jefferson City, Mo.
 Gaunt, Frank Peyton, A.B., Washington Univ., '42—Webster Groves, Mo.
 Geren, Betty Ben, B.S., Univ. of Ark., '42—Fort Smith, Ark.
 Gibson, Jay Ogilvie, B.S., Univ. of Nev., '42—Litchfield, Calif.
 Good, James Tucker, A.B., Univ. of Kans., '42—Merriam, Kans.
 Guze, Samuel, Barry—New York, New York.
 Hall, Robert Hubert—Salt Lake City, Utah.

- Herweg, John Courtwright, B.S., Drury Coll., '43—Springfield, Mo.
 Hoff, Helmuth Elmer, A.B., Univ. of S. D., '43—Tripp, S. D.
 Hood, Thomas Knight—Elko, Nevada.
 Ivins, Samuel Paul, A.B., Washington Univ., '42—Chester, Pa.
 Jacobs, Charles Christ, Jr., A.B., Washington Univ., '42—St. Louis, Mo.
 Johnson, Norton Eric, A.B., Univ. of Mo., '43; B.S., '43—St. Louis, Mo.
 Johnson, William Fray, B.S., Drury Coll., '42—Ozark, Mo.
 Johnstone, John T., Jr., A.B., Westminster Coll., '42—Webster Groves, Mo.
 Jones, Margaret Lee, A.B., Huntington Coll., '42—Montgomery, Ala.
 Kalmanson, George Maurice, B.S., Coll. of the City of N. Y., '34; M.S., Univ. of Ill., '36; Ph.D., Washington Univ., '39—St. Louis, Mo.
 Kelly, Frank Joseph—Kansas City, Mo.
 Kilker, Donald Edwin, A.B., Washington Univ., '42—St. Louis County, Mo.
 Koppenbrink, Walter Edwin, A.B., Univ. of Mo., '42—Higginsville, Mo.
 Kronenberg, Rose Tesser, A.B., Brooklyn Coll., '41—Brooklyn, N. Y.
 Lambiotte, Louis Oscar, B.S., Univ. of Ark., '42—Fort Smith, Ark.
 Leight, Leonard, A.B., Washington Univ., '42—New York, N. Y.
 Lewis, Ceylon Smith, Jr., A.B., Washington Univ., '42—Muskogee, Okla.
 Lockett, Edgar Nathaniel, Jr.—Johnson City, Tenn.
 Luce, Ralph Raymond, B.S., Univ. of Idaho, '41; M.S., '42—Moscow, Idaho.
 Mackey, Oliver Monroe, Jr., B.S., Univ. of Idaho, '43—Lewiston, Idaho.
 Marr, James Carlton, Jr.—Boise, Idaho.
 Maxwell, Roscoe Steele, A.B., Univ. of Ala., '43—Punta Gorda, Fla.
 Mehler, Alan Haskell, A.B., Washington Univ., '42—St. Louis, Mo.
 Mitchell, Harold H., B.S., Univ. of Ariz., '36; M.S., Univ. of So. Calif., '38—Los Angeles, Calif.
 Musser, Richard Eric, B.S., Coll. of Puget Sound, '42—Tacoma, Wash.
 Olson, Arthur John—Malo, Wash.
 Pascoe, James John, B.S., Univ. of Mo., '43—Nevada, Mo.
 Penninger, William Holt, B.S., Univ. of Mo., '43—Mountain View, Mo.
 Petsch, Kenneth Ray, B.S., Augustana Coll., '32; A.B., Univ. of S. D., '43—Wentworth, S. D.
 Polack, Robert Theodore—Clayton, Mo.
 Price, Edwin Fletcher, Jr., A.B., Univ. of Kans., '42—Lawrence, Kans.
 Prothro, George William, B.S., Univ. of N. Mex., '42—Clovis, New Mexico.
 Ramsey, Claire Conerly—Jackson, Ala.
 Ramsey, Robert Henry, B.S., Univ. of Ark., '43—Fort Smith, Ark.
 Reeves, Gerald Andrew, A.B., Northeast Mo. St. Teachers Coll., '42—Kirkville, Mo.
 Rhodes, Jack Richard, B.S., Univ. of Wyoming, '43—Sheridan, Wyoming.
 Rider, George Long, A.B., Dartmouth Coll., '43—Oxford, Ohio.
 Ritzmann, Leonard Walter, A.B., Valparaiso Univ., '42—Quincy, Ill.
 Roberts, John Payne, A.B., Washington Univ., '41—St. Louis, Mo.
 Ruby, Robert Holmes, B.S., Whitworth Coll., '43—Mabton, Wash.
 Rupe, Clarence Earl, A.B., Baker Univ., '41—Kansas City, Mo.
 Sanneman, Everett Herman, Jr.—E. St. Louis, Ill.
 Schulz, Clarence Gallagher—St. Charles, Mo.
 Shaw, William John, Jr., B.S., Univ. of Mo., '43—Fayette, Mo.
 Smith, Benjamin Franklin, Jr.—Jackson, Louisiana.
 Smith, Charles Graening—Texarkana, Texas.
 Spitze, Edward Christian, Jr., A.B., Univ. of Ill., '42—E. St. Louis, Ill.
 Stacey, Wallace Raymond, A.B., Southwest Mo. St. Teachers Coll., '38; B.S., Univ. of Mo., '43—Sparta, Mo.
 Stephenson, Hugh Edward, Jr., B.S., Univ. of Mo., '43—Columbia, Mo.
 Strong, Richard Milton, B.S., Univ. of Mo., '43—Hannibal, Mo.
 Sweazy, Donald Lee—Cowden, Ill.
 Sylvester, Robert Francis, Jr., A.B., James Millikin Univ., '42—Decatur, Ill.
 Taylor, Eugene Emerson, B.S., Univ. of Idaho, '42—Moscow, Idaho.
 Thatcher, Alan Hal—Preston, Idaho.
 Tuthill, Sanford Werner, A.B., Washington Univ., '42—Mt. Vernon, Ill.
 Twin, Edward James, A.B., Univ. of Mo., '42; B.S., Univ. of Mo., '43—Kansas City, Mo.
 Ubben, John Whitford, A.B., Univ. of S. D., '43—Presheo, S. D.
 Van Patten, George Turell—Knoxville, Tenn.
 Vernon, James Taylor, A.B., Univ. of N. C., '42—Morganton, N. C.
 Washington, Edward Lee, A.B., Washington Univ., '42; B.S., Univ. of Mo., '43—Hannibal, Mo.
 Waters, Hugh Robert, B.S., Northwestern Univ., '42—Wisconsin Rapids, Wis.
 Watkins, William Downing, B.S., Univ. of N. C., '43—Morganton, N. C.
 Webb, Gerald Edward—Harrisburg, Ill.
 Weinhaus, Robert Stanley—St. Louis, Mo.
 Winkler, Ralph Kenneth, A.B., Fresno St. Coll., '43—Fresno, Calif.
 Wissner, Seth Ernst, A.B., Washington Univ., '42—St. Louis County, Mo.
 Wolfson, Charles, A.B., Univ. of Kans., '29; Ph.D., '39—Lawrence, Kans.
 Wood, Gary Bedford—Webster Groves, Mo.
 Wood, Kenneth Fowler—Leeds, England.

Total, 186

SECOND YEAR CLASS (January-September, 1944)

- Adams, Raymond John, B.S., St. Coll. of Wash., '40—Seattle Wash.
 Bailey, Drennan—University City, Mo.
 Barrow, Jack—Carbondale, Ill.
 Bates, Raymond Robert—Tucson, Ariz.
 Bonebrake, Mac Donald—Salem, Mo.
 Brownlie, Arthur Roy, Jr.—St. Louis, Mo.
 Busch, Ralph Bering, Jr.—Webster Groves, Mo.
 Chamberlain, Gilbert Lee, Jr.—New Franklin, Mo.
 Cheaney, Mary Davis, A.B., Washington Univ., '41—St. Louis, Mo.
 Cornfield, Morris—St. Louis, Mo.
 Crouch, Warner Latta, Jr.—Fairview, Ill.
 Daniel, William Gilbreath, A.B., Northeast Mo. St. Teach. Coll., '41—La Plata, Mo.
 Deane, Garrett Earle, A.B., Westminster Coll., '43—Clayton, Mo.
 De Huff, Ann Wilson, A.B., Univ. of N. M., '36; B.S., Simmons Coll., '37; M.S., '38—Santa Fe, N. M.
 Elders, Frank Alvin, Jr.—De Soto, Mo.
 Elliott, Gladden V., A.B., Central Coll., '43—Cabool, Mo.
 Ernst, Roland Percy—Kirkwood, Mo.
 Ewing, George Marvin—Brookfield, Mo.
 Farnsworth, Patricia Anne, A.B., Washington Univ., '40—Webster Groves, Mo.
 Farrier, Robert Milton—E. St. Louis, Ill.
 French, Herbert Alfred, A.B., Univ. of Mo., '43—Columbia, Mo.
 Fryback, William Herbert—Colorado Springs, Colo.
 Funsch, Robert Edwin—Richmond Heights, Mo.
 Gallagher, Donald M.—Rossford, Ohio.
 Gibstine, Marvin H.—St. Louis, Mo.
 Gunn, Jack, A.B., Westminster Coll., '43—Versailles, Mo.
 Halbrecht, Samuel A., A.B., Columbia Univ., '40—Brooklyn, N. Y.
 Hall, Gilbert Richard—Spirit Lake, Iowa.
 Harrison, Wiley Haxton, A.B., Grinnell Coll., '42—Guthrie Center, Iowa.
 Hawkins, Richard Dale—Bedford, Ind.
 Hayward, Boyd Edwards, B.S., Univ. of Chicago, '42—Logan, Utah.
 Hoffman, Howe Cummings—Geyerville, Calif.
 Huckstep, Robert Arnold, A.B., Washington Univ., '43—St. Louis, Mo.
 Inglis, Ervine Peter, Jr., A.B., Grinnell Coll., '43—Webster Groves, Mo.
 Ishii, Albert H.—Lihue, Kauai, T. H.
 Johnson, Eugene Parr—Casey, Ill.
 Jolley, Harold Numan, A. B., Washington Univ., '43—Wood River, Ill.
 Kacalief, Louis Dimitar, A.B., Westminster Coll., '42—Madison, Ill.
 Kieffer, Victor Barcroft, A.B., Washington Univ., '43—University City, Mo.
 King, George Wales—St. Louis, Mo.
 Kirkham, Lindsay Jack—Independence, Mo.
 Koehler, John William—Webster Groves, Mo.
 Langan, Benedict Merry, A.B., Washington Univ., '43—St. Louis, Mo.
 Lanier, Andrew S., A.B., Washington and Lee Univ., '42—Alexandria, Va.
 Lee, Robert Edward—Webster Groves, Mo.
 Luer, Carlyle August—Alton, Ill.
 Magallon, Robert Adrien—Seattle, Wash.
 McConnell, Robert Blythe—St. Joseph, Mo.
 Merrill, Robert Scott, B.S., Hamilton Coll., '43—Milwaukee, Wis.
 Nauert, Nicholas Henry, Jr.—St. Louis, Mo.
 Nelson, Hans G. E., A.B., Colorado Coll., '43—Colorado Springs, Colo.
 Nelson, Robert Eugene—Pierre, S. D.
 Nicolai, Charles Herbert, A.B., Washington Univ., '43—Clayton, Mo.
 Old, Jacob Wise, Jr., B.S., Va. Poly. Inst., '42—Joplin, Mo.
 O'Neal, Lawrence W.—Tarkio, Mo.
 Owen, James Wilson, Jr.—Skiatook, Okla.
 Parkhill, Homer Carroll, B.S., Beloit Coll., '43—Pontiac, Ill.
 Patt, Walter Henry, Jr., A.B., Washington Univ., '43—St. Joseph, Mo.
 Perry, Horace Mitchell—Woodmere, N. Y.
 Rauber, Albert Paul, B.S., Capital Univ., '43—Auburn, Ala.
 Rhoades, Albert Leonard, B.S., Monmouth Coll., '41—Belle Vernon, Pa.
 Rhodes, Helen Hunter, A.B., Univ. of Ala., '43—Mobile, Ala.
 Rutledge, Robert Cunningham, Jr., A.B., Rice Inst., '42—Houston, Texas.
 Schmidt, Arthur Earl—St. Louis, Mo.
 Schropp, Rutledge Clifton—Des Moines, Iowa.
 Schuman, Arnold, A.B., Washington Univ., '42—St. Louis, Mo.
 Seabaugh, Loy Rush—Jackson, Mo.
 Shapleigh, John Blasdel II—St. Louis, Mo.
 Sisk, James Cash, A.B., Washington Univ., '43—St. Louis, Mo.
 Slonim, Balfour Nathaniel—St. Louis, Mo.
 Snyderman, Sanford Charles—Little Rock, Ark.
 Taylor, Duane Russell, A.B., Ore. St. Coll., '42—Austin, Texas.
 Tharp, Dorothy Evelyn—N. Little Rock, Ark.
 Thiel, Stanley William—Ritzville, Wash.
 Vellios, Frank—St. Louis, Mo.
 Wald, Stanley Marvin—The Bronx, N. Y.

Walker, Willard Bartlett—St. Louis, Mo.
 Webster, Robert Nelson—Northwood, N. D.
 Wiedershine, Leonard J., A.B., Washington Univ., '43—St. Louis, Mo.
 Williams, Joseph Campbell—Kansas City, Mo.
 Wilson, Siver Allen, B.S., Florida Southern Coll., '43—Bradenton, Fla.

Total, 81

FIRST YEAR CLASS (January-September, 1944)

Abele, William Arved—Boonville, Mo.
 Allen, Lundy Otie, A.B., Northeast Mo. St. Teach. Coll., '42; B.S., '42—Checotah, Oklahoma.
 Baird, Irwin Lewis—St. Joseph, Mo.
 Bechtold, John Edmund—Belleville, Mo.
 Behrhorst, Carroll Dean Henry, A.B., Washington Univ., '43—Brazilton, Kans.
 Bernard, Harvey Rolland—Lemay Station, Mo.
 Brody, Arnold Jason—Columbia, Mo.
 Brower, Thomas Dudley—Mexico, Mo.
 Brown, Paul Franklin—East St. Louis, Ill.
 Bryan, Theodore Louis—St. Louis, Mo.
 Busiek, Paul Joseph—Springfield, Mo.
 Button, William L.—Denton, Texas.
 Clay, Charles Grover—Pleasant Hill, Mo.
 Cockrell, Beverly Randolph, Jr.—Fresno, Calif.
 Coffelt, Carl Frederick, Jr.—Steger, Ill.
 Cohnberg, Rosellen Elaine—A.B., Washington Univ., '44—St. Louis, Mo.
 Cornblath, Marvin—University City, Mo.
 Coulter, Robert Lee, Jr.—St. Louis, Mo.
 Counts, Robert Milton—Richmond Heights, Mo.
 Dankner, Arnold—Clayton, Mo.
 DeLong, Chester Wallace—Seattle, Wash.
 Dirks, Kenneth Ray—Wichita, Kans.
 Duncan, James Thomas, Jr., A.B., William Jewell Coll., '43—Smithville, Mo.
 Edgerton, Winfield Dow—Poplar Bluff, Mo.
 Ernst, Charles Francis, Jr., A.B., Westminster Coll., '43—Kirkwood, Mo.
 Esselbruegge, Calvin Frederick—St. Louis, Mo.
 Fadem, Robert Stanley—University City, Mo.
 Farr, Alonza Lewis, B.S., Millsaps Coll., '41—Edwards, Miss.
 Fleming, Frederick Alexander—St. Louis, Mo.
 Forsyth, Bruce Todd—Clayton, Mo.
 Garner, Robert Carlyle—Webster Groves, Mo.
 Gieselman, Ralph Victor—St. Louis Co., Mo.
 Goldenberg, David—St. Louis, Mo.
 Goldring, Sidney—St. Louis, Mo.
 Greiner, Theodore Herman—St. Louis, Mo.
 Handler, Fred Phillip—St. Louis, Mo.
 Hankey, Daniel Dwight—Council Bluffs, Iowa.
 Harrison, Charles William—Terre Haute, Ind.
 Harrison, Virginia—Mt. Vernon, Ill.
 Hart, Charles, A.B., Washington Univ., '43—Kansas City, Mo.
 Hausman, William—Brooklyn, N. Y.
 Helmick, Ernest Delbert, A.B., W. Va. Univ., '43—Benbush, W. Va.
 Hilgers, John Edward—Plainville, Kans.
 Hofsommer, Helen Louise—Webster Groves, Mo.
 Huck, Richard Felix, Jr.—Quincy, Ill.
 Jankowski, Shirley Schaffer, A.B., Univ. of Wis., '43—Milwaukee, Wis.
 Joannides, Minas, B.S., Northwestern Univ., '43—Chicago, Ill.
 Keely, Thomas, Jr.—Springfield, Mo.
 Kellogg, Huston Glenn—Houston, Texas.
 Landau, William Milton—St. Louis, Mo.
 Launch, Robert Michael—Webster Groves, Mo.
 Long, Frank Barnes—Sedalia, Mo.
 Love, William DeLoss—Kirkwood, Mo.
 Ludwig, James Behan—Ironton, Minn.
 Martin, Frederick William, Jr.—St. Louis, Mo.
 Mathes, Sydney Bernard—St. Louis, Mo.
 McBride, Bert Harris—E. St. Louis, Ill.
 McFarlane, John Alvin, Jr.—Elko, Nevada.
 McGrath, James Joseph, Jr., A.B., Fordham Univ., '42—Flushing, N. Y.
 McIntyre, Homer Harry—University City, Mo.
 McNeil, James Lewis—Winfield, Kans.
 Morfit, John C., Jr.—St. Louis, Mo.
 Namrow, Arnold, A.B., Washington Univ., '43—Miami Beach, Fla.
 Newport, Jack Winston—Springfield, Mo.
 Nuetzel, John Arlington—E. St. Louis, Ill.
 O'Neal, Patricia Lee, A.B., Washington Univ., '44—St. Louis, Mo.
 Peden, Burnet Wilcox, A.B., Amherst Coll., '43—University City, Mo.
 Perry, Eldon Turley—Washington, Mo.
 Philips, Vol Keeney—Kirkwood, Mo.
 Rainey, Robert—St. Louis, Mo.
 Rapp, Harrold Burnett, A.B., Washington Univ., '42—N. Kansas City, Mo.

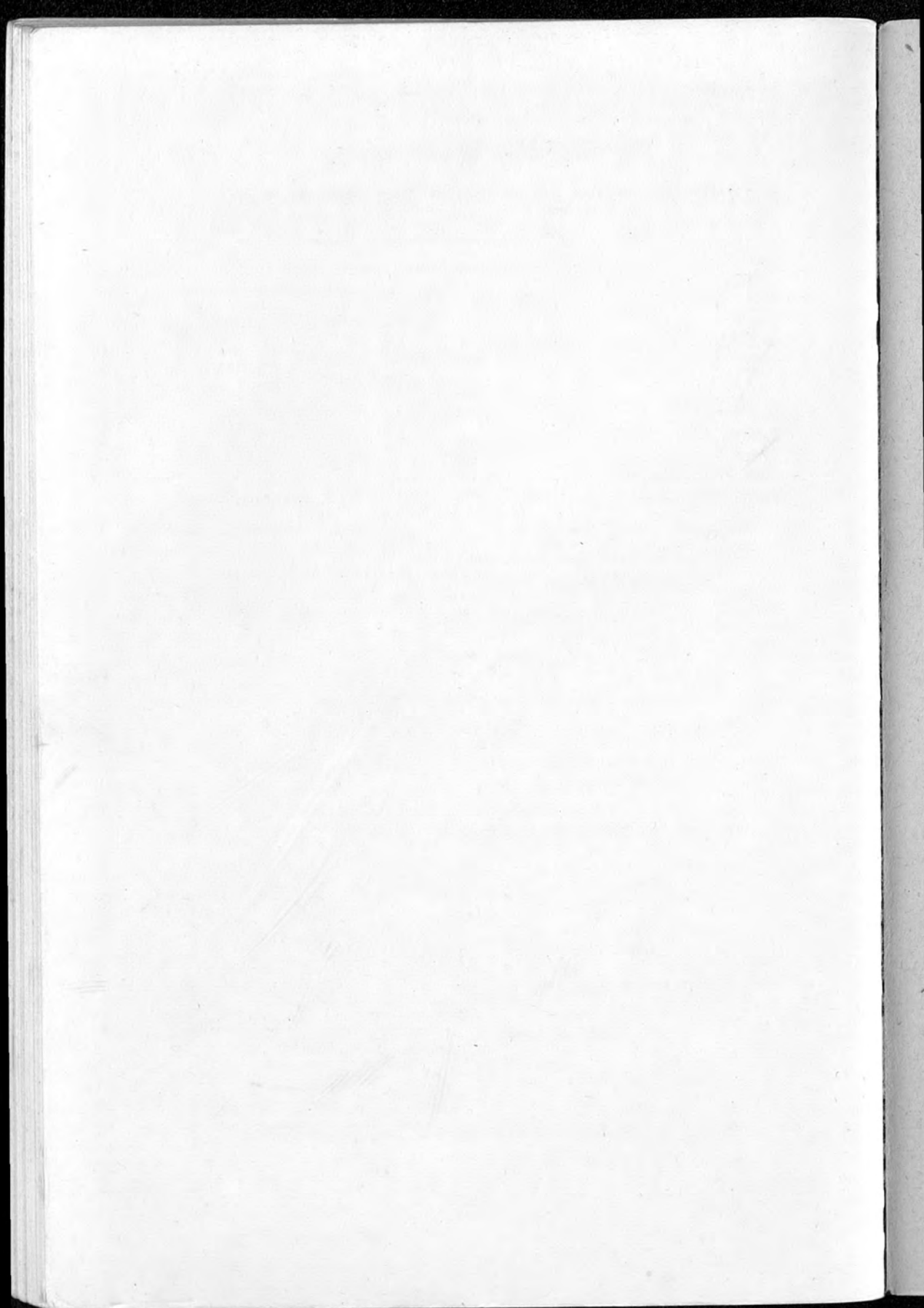
Rodgers, Dorothy Llewellyn, A.B., W. Va. Univ., '43—Morgantown, W. Va.
 Russell, Henry Thomas—Sayre, Okla.
 Sato, George—Rivers, Ariz.
 Schneider, Richard Frederick—E. St. Louis, Ill.
 Scheinbein, Milton—University City, Mo.
 Shintani, Juro—Rivers, Arizona.
 Smith, Albert Goodin—Bonne Terre, Mo.
 Smyth, Gerry Albert—Quincy, Ill.
 Stewart, Donald Bailey—Clayton, Mo.
 Taylor, James William, Jr.—Belleville, Ill.
 Tevis, William Wade—A.B., Municipal Univ. of Wichita, '43—Wichita, Kans.
 Tippin, Ernest Elwood, Jr.—Wichita, Kans.
 Weaver, Richard Grey—Wichita, Kans.
 Weigel, Arthur Eugene—St. Louis, Mo.
 Wilson, Louis James—Winona, Minn.
 Wood, Edward Pratt—Alton, Ill.

Total, 87

SUMMARY OF STUDENTS IN THE SCHOOL OF MEDICINE

Fourth Year Class	102
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Second Year Class	81
First Year Class	87

Total, 376



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